Historical Streamflow Summary

Alberta

Sommaire chronologique de l'écoulement

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WATER SURVEY OF CANADA. HISTORICAL
STREAMFLOW SUMMARY: ALBERTA

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Canada

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

75

1908-1983

One of the primary roles of the Water Resources Branch, Environment Canada, is to maintain a systematic hydrometric survey program across the nation. This survey involves the measurement of the flow and level of water in rivers, streams and lakes, as well as compilation, analysis and publication of the data. During 1983 the Water Resources Branch will be celebrating 75 years of dedication and service to the hydrologic community.

The history of the hydrometric survey in Canada can be traced back to 1894 when some stream measurement was done in connection with irrigation surveys. However, it was not until 1908, when Parliament made its first specific appropriation for gauging streams and determining the water supply in southern Alberta and Saskatchewan, that the Hydrographic Survey was founded. The year 1911 saw the establishment of the Dominion Water Power Branch, which consolidated the hydrometric survey program already in operation for irrigation requirements, the water power investigation under way on the Winnipeg and Bow rivers, and the administration of water power on Dominion lands. In 1913 and subsequent years arrangements were made with the provincial governments across Canada to continue the hydrometric survey program under the Dominion Water Power Branch, while passing the administration of nearly all water resources to the provinces.

In 1975 federal-provincial agreements were established which recognized that water quantity data may be collected to meet federal needs, provincial needs, or both. According to the agreements, the operation of the networks would be provided on a shared cost basis according to each party's needs.

The Dominion Water Power Branch has undergone numerous changes of name over the 75-year period, but a systematic program for the collection and publication of hydrometric data has remained. Today the program spans the nation, with data being collected at nearly 3500 different locations. The results are made available in annual publications and more recently, in a form suitable for computers. The program is being improved constantly to ensure a continued high calibre of service to the people of Canada.

L'une des principales fonctions de la Direction des ressources en eau d'Environnement Canada consiste à gérer un programme systématique de relevés hydrométriques partout au pays. Ces relevés comprennent la mesure du débit et du niveau de l'eau dans des cours d'eau et des lacs ainsi que le rassemblement, l'analyse et la publication des données. En 1983, la Direction des ressources en eau célébrera ses 75 ans de dévoués services aux hydrologistes.

Les premiers relevés hydrométriques au Canada remontent à 1894; on effectua alors certaines mesures dans des cours d'eau pour faire des relevés se rapportant à l'irrigation. Cependant, ce n'est qu'en 1908, année où le Parlement vota pour la première fois des crédits pour jauger des cours d'eau et calculer l'approvisionnement en eau dans le sud de l'Alberta et de la Saskatchewan, que les Relevés hydrographiques furent créés. L'année 1911 vit la mise sur pied des Services des forces hydrologiques du Dominion, qui réunissaient le programme déjà en cours de relevés hydrométriques à des fins d'irrigation, l'étude de l'aménagement hydro-électrique des rivières Winnipeg et Bow, qui était en cours, et la gestion des ressources hydro-électriques des terres du Dominion. En 1913 et au cours des années qui suivirent, des ententes furent conclues avec les gouvernements provinciaux en vertu desquelles le programme de relevés hydrométriques serait poursuivi sous l'autorité des Services des forces hydrologiques du Dominion, tandis que la gestion de presque toutes les ressources en eau irait aux provinces.

En 1975, les gouvernements fédéral et provinciaux conclurent des accords stipulant que des données sur le débit des eaux pouvaient être recueillies pour répondre aux besoins du fédéral ou des administrations provinciales, les coûts étant partagés entre chaque partie en proportion de ses besoins.

Les Services des forces hydrologiques du Dominion ont changé plusieurs fois de nom depuis 75 ans, mais il y a toujours eu un programme systématique de collecte et de publication des données hydrométriques. Aujourd'hui, le programme s'étend à tout le pays, et des données sont recueillies dans presque 3500 stations différentes. Les résultats paraissent dans des publications annuelles et, depuis quelque temps, ils sont présentés de façon à être traités par informatique. Le programme est amélioré pour que les Canadiens puissent profiter constamment d'un service de haute qualité.

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Alberta for which streamflow data to 1982 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220-4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau de l'Alberta, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1982 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1^er^ octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1^er^ avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.068 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.068 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 280 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 280 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). The 1983 edition will be the last hard copy edition; subsequent editions will be published every two years on microfiche only. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). L'édition de 1983 sera la dernière édition imprimé sur papier; les éditions suivantes seront disponibles tous les deux ans sur microfiche seulement. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948-1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données

of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new two-year publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). Publications were not produced in 1980 or 1982, but beginning with the 1983 edition, future editions will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Il n'y a pas eu de publications en 1980 ni en 1982, mais à partir de 1983, les éditions vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1982 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1982 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;

3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1980.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la periode d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1980.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1980 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1980 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the daily records can be made by an examination of the distribution of the symbols A, B and E in the annual Surface Water Data publications.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne reflète pas le degré d'exactitude des données.

L'exactitude des données quotidiennes peut être appréciée par l'examen de la répartition des symboles A, B et E dans les publications annuelles des *Données sur les eaux de surface*.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by Region, therefore data for a particular province may include fiche from two or more Regions. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, Region, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région. Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

STREAMFLOW DATA/DONNÉES SUR L'ÉCOULEMENT

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.038	2.98	2.86	1.29	0.219	0.284	4.48	0.594	---	---	1.57	1978
1979	---	---	0.026	1.35	6.58	5.07	7.96	0.392	0.242	0.201	---	---	2.73	1979
1980	---	---	0.001	1.09	1.12	1.01	1.65	1.89	2.65	0.654	---	---	1.25	1980
1981	---	---	0.255	2.38	2.01	1.34	0.755	0.091	0.071	0.190	---	---	0.880	1981
1982	---	---	0	0.679	3.88	0.479	1.52	2.38	0.192	0.163	---	---	1.17	1982
MEAN	---	---	0.064	1.70	3.29	1.84	2.42	1.01	1.53	0.360	---	---	1.52	MEAN

LOCATION - LAT 55 13 05 N DRAINAGE AREA, 138 km²
LONG 115 20 08 W NATURAL FLOW

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	61.2 AT 10:00 MST ON SEP 17	43.0 ON SEP 17	0.006B ON MAR 2	33 300	1978
1979	99.6 AT 14:30 MST ON JUL 1 *	44.9 ON JUL 1 *	0.012B ON MAR 1	57 800	1979
1980	12.5 AT 22:30 MST ON AUG 5	8.75 ON AUG 6	0 B ON MAR 1 *	26 500	1980
1981	13.2 AT 19:00 MST ON APR 24	7.99 ON APR 24	0.005B ON MAR 1	18 600	1981
1982	26.4 AT 23:50 MST ON AUG 3	17.7 ON AUG 4	0 B ON MAR 1	24 800	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		32 200	MEAN

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	11.6	17.1	17.6	14.0	---	---	---	---	---	1914
1915	---	---	---	---	8.97	8.93	6.42	5.42	6.47	---	---	---	---	1915
1916	---	---	---	---	6.16	5.20	6.52	6.91	4.91	1.12	---	---	5.14	1916
1917	---	---	---	---	---	7.46	12.5	11.6	5.95	---	---	---	---	1917
1918	---	---	---	---	9.21	14.3	15.4	12.4	10.2	---	---	---	---	1918
1919	---	---	---	---	9.59	18.7	15.0	9.16	6.77	---	---	---	---	1919
1920	---	---	---	---	---	18.9	20.2	14.4	13.6	12.8	---	---	---	1920
1921	---	---	---	---	10.5	20.9	23.4	15.9	10.7	---	---	---	---	1921
1922	---	---	---	---	10.5	19.5	19.5	14.6	8.49	4.54	---	---	12.9	1922
1923	---	---	---	---	10.7	12.8	12.6	12.4	13.4	9.14	---	---	11.8	1923
1924	---	---	---	---	13.4	16.0	21.4	14.0	9.94	---	---	---	---	1924
1925	---	---	---	---	---	22.1	19.8	14.7	11.2	---	---	---	---	1925
1926	---	---	---	---	14.2	15.1	12.9	7.98	11.1	---	---	---	---	1926
1927	---	---	---	---	5.22	5.42	10.3	12.5	9.78	4.68	---	---	7.97	1927
1928	---	---	---	---	---	13.3	2.89	7.78	11.5	---	---	---	---	1928
1929	---	---	---	---	---	5.49	12.9	9.02	5.81	---	---	---	---	1929
1930	---	---	---	---	7.90	19.4	19.2	9.81	8.33	---	---	---	---	1930
MEAN	---	---	---	---	9.81	13.9	14.6	11.3	9.26	6.46	---	---	9.45	MEAN

LOCATION - LAT 49 20 02 N
LONG 113 02 42 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	18.1 ON JUL 1	5.55 ON MAY 1	---	1914
1915	---	10.5 ON JUN 5	---	---	1915
1916	---	10.9 ON MAY 24	0 ON OCT 12 *	81 700	1916
1917	---	14.9 ON JUL 11	---	---	1917
1918	---	18.0 ON JUN 30	---	---	1918
1919	---	21.2 ON SEP 12	---	---	1919
1920	---	24.4E ON JUL 4	---	---	1920
1921	---	27.5 ON JUL 3 *	---	---	1921
1922	---	25.3 ON JUL 6	0 ON OCT 19	204 000	1922
1923	---	18.9 ON MAY 31	0.425E ON OCT 6	188 000	1923
1924	---	27.1 ON JUL 20	---	---	1924
1925	---	24.2 ON JUN 12	---	---	1925
1926	---	18.7 ON JUN 10	---	---	1926
1927	---	14.6 ON AUG 10	0 ON SEP 14	127 000	1927
1928	---	23.3 ON JUN 5	---	---	1928
1929	---	16.3 ON JUN 30	---	---	1929
1930	---	25.2 ON JUL 1	---	---	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		150 000	MEAN

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	8.19	17.8	16.2	13.4	11.7	---	---	---	---	1910
1911	---	---	---	---	7.62	---	---	11.0	---	---	---	---	---	1911
1912	---	---	---	---	7.35	14.2	9.33	8.44	8.75	0.255	---	---	---	1912
1913	---	---	---	---	7.81	14.9	9.94	10.8	9.64	2.67	---	---	---	1913
1914	---	---	---	0.534	12.9	19.7	18.9	15.3	10.4	1.80	---	---	11.4	1914
1915	---	---	---	0.581	9.13	8.84	6.28	5.51	6.89	1.69	---	---	5.56	1915
1916	---	---	---	0.301	5.75	5.12	6.96	6.92	4.95	1.00	---	---	4.44	1916
MEAN	---	---	---	0.472	8.34	13.4	11.3	10.2	8.72	1.48	---	---	7.13	MEAN

LOCATION - LAT 49 07 53 N
LONG 113 08 58 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	24.3 ON JUN 20 *	---	---	1910
1911	---	---	---	---	1911
1912	---	14.8 ON JUN 19	0 ON OCT 3 *	---	1912
1913	---	19.3 ON JUN 17	0 ON OCT 10	---	1913
1914	---	20.6 ON JUN 23	0 ON APR 1	210 000	1914
1915	---	10.6 ON MAY 22	0 ON APR 1	103 000	1915
1916	---	9.63 ON MAY 21	0 ON APR 1	82 100	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		132 000	MEAN

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	0	0	0	0	0	---	---	---	1962
1963	---	---	0.019	0.007	0.001	0	0	0	0	0	---	---	0.003	1963
1964	---	---	0	0.010	0.008	0	0	0	0	0	---	---	0.002	1964
1965	---	---	0.010	5.49	0.018	0.004	0	0	0	0	---	---	0.676	1965
1966	---	---	0.661	0.012	0.006	0.003	0	0	0	0	---	---	0.086	1966
1967	---	---	0.004	0.640	0.019	0.001	0	0	0	0	---	---	0.081	1967
1968	---	---	0.002	0.003	0.002	0.002	0	0	0	0	---	---	0.001	1968
1969	---	---	0	5.78	0.009	0	0	0	0	0	---	---	0.708	1969
1970	---	---	0.086	0.156	0.004	0.001	0.001	0	0	0	---	---	0.031	1970
1971	---	---	0	1.46	0.014	0	0	0	0	0	---	---	0.181	1971
1972	---	---	0.042	0.018	0.014	0	0	0	0	0	---	---	0.009	1972
1973	---	---	0.953	0.027	0.015	0.025	0.001	0	0	0	---	---	0.129	1973
1974	---	---	0	1.65	0.062	0.010	0	0	0	0	---	---	0.212	1974
1975	---	---	0	0.216	0.055	0.018	0.001	0	0	0	---	---	0.036	1975
1976	---	---	0.043	0.103	0.015	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0.003	0.002	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.012	0.042	0.012	0.004	0	0	0	0	---	---	0.009	1978
1979	---	---	0.137	0.023	0.011	0.001	0	0	0	0	---	---	0.022	1979
1980	---	---	0.017	0.007	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.005	0.003	0.004	0.004	0	0	0	0	---	---	0.002	1981
1982	---	---	0.001	0.008	0.006	0.002	0	0	0	0	---	---	0.002	1982
MEAN	---	---	0.100	0.783	0.014	0.004	0	0	0	0	---	---	0.111	MEAN

LOCATION - LAT 50 53 54 N DRAINAGE AREA, 590 km^2
LONG 110 30 30 W NATURAL FLOW

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	0 ON JUN 1 *	---	1962
1963	---	0.034B ON MAR 22	0 ON MAY 9	73.3	1963
1964	---	0.048 ON MAY 5	0 ON MAR 1	48.1	1964
1965	95.1 AT 13:30 MST ON APR 10 *	30.9 ON APR 10	0B ON MAR 1	14 300	1965
1966	---	3.79 ON MAR 17	0E ON MAR 1	1 830	1966
1967	---	6.09 ON APR 15	0B ON MAR 1	1 720	1967
1968	---	0.014 ON MAY 31	0B ON MAR 1	22.1	1968
1969	42.2 AT 08:30 MST ON APR 10	37.7 ON APR 9 *	0B ON MAR 1	15 000	1969
1970	---	0.926B ON APR 6	0B ON MAR 1	652	1970
1971	11.1 AT 12:30 MST ON APR 14	8.18 ON APR 14	0B ON MAR 1	3 830	1971
1972	---	0.368B ON MAR 20	0B ON MAR 1	196	1972
1973	6.85 AT 18:40 MST ON MAR 25	3.62 ON MAR 25	0B ON MAR 1	2 730	1973
1974	9.46 B ON APR 15	8.72 B ON APR 15	0B ON MAR 1	4 480	1974
1975	2.44 AT 18:00 MST ON APR 22	1.44 ON APR 23	0B ON MAR 1	755	1975
1976	1.29 B AT 15:00 MST ON APR 1	0.971B ON APR 1	0B ON MAR 1	422	1976
1977	---	0.008B ON MAR 17	0B ON MAR 1	14.9	1977
1978	---	0.091B ON APR 4	0B ON MAR 1	186	1978
1979	---	0.580B ON MAR 12	0B ON MAR 1	460	1979
1980	---	0.077B ON MAR 28	0B ON MAR 1	65.4	1980
1981	0.026 AT 04:30 MST ON JUN 16	0.025 ON JUN 16	0 ON APR 29	42.2	1981
1982	0.015 AT 13:50 MST ON APR 23	0.015 ON APR 23	0B ON MAR 1	44.0	1982
				2 340	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.006	0	0	0	0	---	---	---	1975
1976	---	---	0.260	0.626	0.007	0	0.007	0	0	0	---	---	0.111	1976
1977	---	---	0	0.006	0.163	0.069	0	0	0	0	---	---	0.030	1977
1978	---	---	0.245	0.489	0.001	0.013	0	0	0.703	0.048	---	---	0.185	1978
1979	---	---	2.26	1.45	0.117	0.036	0.025	0.007	0	0	---	---	0.487	1979
1980	---	---	0	1.74	0.058	0	0	0	0	0	---	---	0.221	1980
1981	---	---	1.07	0.251	0.049	0.012	0	0	0	0	---	---	0.173	1981
1982	---	---	0	0.777	0.069	0	1.20	0.007	0.004	0	---	---	0.257	1982
MEAN	---	---	0.548	0.763	0.066	0.017	0.154	0.002	0.088	0.006	---	---	0.209	MEAN

LOCATION - LAT 53 18 35 N   DRAINAGE AREA, 377 km^2
LONG 112 33 10 W   NATURAL FLOW

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON JUN 21 *	---	1975
1976	---	2.83 B ON MAR 31	0B ON MAR 1	2 360	1976
1977	0.991 AT 01:00 MST ON MAY 20	0.926 ON MAY 20	0B ON MAR 1	633	1977
1978	3.40 B AT 16:20 MST ON MAR 29	2.68 ON SEP 18	0B ON MAR 1	3 910	1978
1979	12.2 AT 23:50 MST ON MAR 18	11.4 ON MAR 19	0 ON MAR 1	10 300	1979
1980	13.8 AT 22:50 MST ON APR 13 *	12.3 ON APR 14 *	0B ON MAR 1	4 660	1980
1981	7.27 AT 00:50 MST ON MAR 16	5.98 B ON MAR 16	0B ON MAR 1	3 680	1981
1982	6.45 AT 15:17 MST ON APR 23	5.54 ON JUL 6	0B ON MAR 1	5 450	1982
				4 430	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	1.37	24.3	18.9	12.7	30.0	8.43	3.70	2.08	---	---	12.7	1971
1972	---	---	0.763	8.55	16.9	3.97	1.46	0.999	0.997	0.636	---	---	4.28	1972
1973	---	---	0.064	1.78	1.74	9.65	2.76	3.73	3.18	1.88	---	---	3.08	1973
1974	---	---	0.978	23.6	32.7	10.6	9.37	3.51	2.25	1.75	---	---	10.6	1974
1975	---	---	0.762	5.38	7.46	4.23	11.3	3.88	12.4	3.22	---	---	6.06	1975
1976	---	---	1.00	8.34	2.73	1.47	5.35	0.729	0.883	0.340	---	---	2.59	1976
1977	---	---	0.397	4.93	9.90	4.81	1.43	2.00	2.35	6.17	---	---	4.00	1977
1978	---	---	0.548	8.02	8.60	25.2	4.26	1.85	13.8	9.08	---	---	8.83	1978
1979	---	---	2.92	11.2	21.7	12.5	11.6	5.67	3.05	1.35	---	---	8.76	1979
1980	---	---	0.516	4.84	1.04	0.595	0.444	2.52	2.48	2.21	---	---	1.82	1980
1981	---	---	2.15	4.97	1.79	1.11	2.38	0.804	0.259	0.093	---	---	1.69	1981
1982	---	---	0	2.39	1.88	0.247	0.114	0.026	0.001	0	---	---	0.578	1982
MEAN	---	---	0.956	9.03	10.4	7.26	6.71	2.85	3.78	2.40	---	---	5.42	MEAN

LOCATION - LAT 54 28 20 N   DRAINAGE AREA, 2 510 km^2
LONG 112 01 00 W   NATURAL FLOW

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	60.6 ON APR 24 *	1.27 B ON MAR 14	268 000	1971
1972	24.6 AT 11:40 MST ON MAY 3	24.6 ON MAY 3	0.450A ON OCT 31	90 600	1972
1973	25.5 AT 17:45 MST ON JUN 18	25.3 ON JUN 19	0.028B ON MAR 1	65 100	1973
1974	51.3 AT 01:30 MST ON APR 24	51.3 ON APR 24	0.793B ON MAR 23	224 000	1974
1975	22.7 AT 18:30 MST ON SEP 4	22.5 ON SEP 4	0.722B ON MAR 12	128 000	1975
1976	16.4 AT 00:00 MST ON APR 11	16.1 ON APR 11	0.176 ON OCT 9	54 900	1976
1977	18.1 AT 07.00 MST ON MAY 20	18.0 ON MAY 20	0.258 ON SEP 20	84 600	1977
1978	52.4 AT 06:20 MST ON JUN 1 *	52.1 ON JUN 1	0.102B ON MAR 8	187 000	1978
1979	34.9 AT 04:10 MST ON MAY 2	34.8 ON MAY 2	0.974 ON OCT 24	185 000	1979
1980	---	7.13B ON APR 11	0.060E ON AUG 2	38 500	1980
1981	6.86B AT 02:00 MST ON APR 1	6.21B ON APR 1	0.049 ON OCT 20	35 800	1981
1982	---	7.40B ON APR 24	0 B ON MAR 1 *	12 200	1982
				114 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.425	0.454	0.622	0.452	0.356	0.362	---	---	0.445	1959
1960	---	---	---	---	0.374	1.21	0.722	0.851	1.17	0.674	---	---	0.831	1960
1961	---	---	---	---	0.313	0.589	0.493	0.272	0.316	0.139	---	---	0.353	1961
1962	---	---	---	0.198	0.386	0.399	0.381	0.254	0.151	0.053	---	---	0.270	1962
1963	---	---	---	---	0.321	0.164	0.162	0.120	0.121	0.133	---	---	0.170	1963
1964	---	---	---	---	0.113	0.548	0.185	0.187	0.053	0.031	---	---	0.185	1964
1965	---	---	---	---	0.057	0.315	0.083	0.073	0.082	0.087	---	---	0.102	1965
1966	---	---	---	---	0.219	0.414	0.157	0.057	0.056	0.075	---	---	0.162	1966
1967	---	---	---	---	0.011	0.317	0.472	0.155	0.101	0.272	---	---	0.221	1967
1968	---	---	---	---	0.442	0.342	0.381	0.056	0.164	0.220	---	---	0.268	1968
1969	---	---	---	---	0.113	0.405	0.922	0.136	0.084	0.098	---	---	0.293	1969
1970	---	---	---	---	0.110	0.238	0.132	0.309	0.201	0.133	---	---	0.187	1970
1971	---	---	---	---	0.238	0.365	0.178	0.388	0.682	0.143	---	---	0.330	1971
1972	---	---	---	---	---	---	0.163	0.553	0.298	0.116	---	---	---	1972
1973	---	---	---	---	0.626	0.250	0.347	0.231	0.047	0.024	---	---	0.255	1973
1974	---	---	---	---	0.090	0.394	0.157	0.050	0.014	0.005	0	---	0.117	1974
1975	---	---	---	---	0.091	0.291	0.694	0.303	0.044	0.162	---	---	0.265	1975
1976	---	---	---	---	0.136	0.024	0.016	0.122	0.072	0.006	---	---	0.063	1976
1977	---	---	---	---	0.084	0.069	0.009	0.047	0.891	0.081	---	---	0.194	1977
1978	---	---	---	---	0.029	0.070	0.763	0.493	0.101	0.054	---	---	0.253	1978
1979	---	---	---	---	0.050	0.210	0.184	0.315	0.195	2.06	---	---	0.505	1979
1980	---	---	---	---	0.293	0.089	0.255	1.03	0.291	0.051	---	---	0.336	1980
1981	---	---	---	---	0.274	0.099	0.091	0.185	0.104	1.22	0.686	---	0.331	1981
1982	---	---	---	---	0.145	0.168	0.194	0.156	0.131	0.096	---	---	0.148	1982
MEAN	---	---	---	0.188	0.215	0.323	0.323	0.283	0.235	0.262	0.343	---	0.273	MEAN

LOCATION - LAT 50 27 20 N
LONG 112 09 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1976

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	3.45 ON JUL 9	0.198 ON SEP 7	7 890	1959
1960	---	6.40 ON JUN 13 *	0.164 ON MAY 5	13 200	1960
1961	---	4.47 ON JUN 14	0.011 ON OCT 20	5 610	1961
1962	---	2.07 ON MAY 10	0 ON MAY 16 *	4 290	1962
1963	---	3.23 ON OCT 1	0 ON SEP 1	2 710	1963
1964	---	2.24 ON JUN 1	0 ON OCT 29	2 940	1964
1965	---	2.07 ON JUN 15	0 E ON MAY 1	1 620	1965
1966	---	3.06 A ON JUN 14	0 ON SEP 10	2 580	1966
1967	---	2.03 ON JUL 5	0 E ON MAY 1	3 520	1967
1968	---	3.14 ON OCT 11	0.018 ON OCT 30	4 250	1968
1969	---	4.42 ON JUL 4	0.001 ON MAY 11	4 670	1969
1970	---	1.77 ON JUN 13	0 ON MAY 4	2 970	1970
1971	---	1.76 ON SEP 16	0.003E ON MAY 1	5 260	1971
1972	---	---	---	---	1972
1973	---	3.31 ON MAY 28	0.007 ON MAY 1	4 060	1973
1974	---	2.67 ON JUN 27	0 ON OCT 23	1 870	1974
1975	---	2.72 ON JUL 4	0 ON AUG 12	4 220	1975
1976	---	1.39 ON MAY 20	0 ON JUL 21	999	1976
1977	---	1.98 ON SEP 26	0.001 ON JUL 18	3 080	1977
1978	---	2.69 ON AUG 23	0.003 ON OCT 27	4 020	1978
1979	---	4.13 ON OCT 3	0.018 ON OCT 31	8 020	1979
1980	---	3.28 ON AUG 6	0.004 ON OCT 19	5 350	1980
1981	---	5.38 ON OCT 31	0.051 ON MAY 5	5 260	1981
1982	---	0.801E ON JUL 26	0.038 ON MAY 1	2 350	1982
				4 350	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARCADIA CREEK NEAR ARCADIA - STATION NO. 07BH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	1922
MEAN	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	MEAN

LOCATION - LAT 55 23 58 N DRAINAGE AREA, 177 km²
LONG 115 07 39 W NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.19	0.857	---	---	---	---	1975
1976	0.001	0	0	0.868	0.303	0.363	0.963	0.336	0.173	0.518	0.085	0	0.302	1976
1977	0	0	0	0.247	0.891	0.479	0.984	0.205	0.214	0.476	0.098	0	0.302	1977
MEAN	0.001	0	0	0.558	0.597	0.421	0.974	0.577	0.415	0.497	0.092	0	0.302	MEAN

LOCATION - LAT 57 32 20 N DRAINAGE AREA, 148 km²
LONG 111 40 36 W NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	3.60B ON APR 13 *	0B ON JAN 7 *	9 540	1976
1977	2.72 AT 20:12 MST ON JUL 4 *	2.54 ON JUL 5	0B ON JAN 1	9 540	1977
MEAN				9 540	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	383	949	1 040	891	469	252	---	---	---	1913
1914	90.6	82.1	89.5	131	374	1 590	1 170	548	392	356	166	90.1	425	1914
1915	104	91.6	115	329	371	1 150	1 660	832	425	253	155	94.6	467	1915
1916	74.9	71.6	74.5	209	389	786	1 280	655	439	286	164	83.0	377	1916
1917	80.0	64.3	61.9	212	1 260	1 120	834	491	348	314	170	95.9	423	1917
1918	109	88.5	88.0	289	404	1 050	974	523	333	212	125	82.3	357	1918
1919	70.7	66.3	57.0	185	266	681	645	579	542	234	148	100	299	1919
1920	85.7	82.0	79.2	127	1 450	1 230	1 210	851	512	395	175	101	527	1920
1921	113	119	123	350	804	1 060	853	692	412	301	228	105	431	1921
1922	75.3	77.4	80.7	141	539	661	607	561	403	258	139	59.6	302	1922
1923	56.7	49.4	51.8	181	437	1 020	1 020	704	493	344	245	143	397	1923
1924	66.2	87.9	81.2	109	803	706	766	853	751	403	233	89.8	414	1924
1925	54.2	55.7	84.4	926	690	932	712	874	707	420	221	177	489	1925
1926	156	130	135	431	465	717	697	470	667	446	270	144	395	1926
1927	104	104	117	299	769	1 140	1 410	715	568	390	197	119	497	1927
1928	113	96.6	123	290	723	1 260	1 270	655	412	286	163	147	463	1928
1929	88.2	78.6	100	215	648	809	654	547	379	346	188	83.2	346	1929
1930	60.6	67.0	75.8	305	641	1 190	977	631	458	252	214	164	421	1930
1931	118	111	129	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	---	---	374	818	726	586	511	192	---	---	---	1938
1939	---	---	---	---	418	526	746	467	237	234	---	---	---	1939
1940	---	---	---	---	961	867	804	514	397	249	---	---	---	1940
1941	---	---	---	---	---	---	829	565	405	340	---	---	---	1941
1942	---	---	---	---	338	1 130	1 050	707	603	296	---	---	---	1942
1943	---	---	---	---	438	1 120	1 100	676	353	212	---	---	---	1943
1944	---	---	---	---	582	2 250	1 120	700	472	302	---	---	---	1944
1945	---	---	---	---	411	629	516	499	271	279	---	---	---	1945
1946	---	---	---	---	387	1 100	783	496	315	163	---	---	---	1946
1947	---	---	---	---	722	905	795	769	538	354	---	---	---	1947
1948	---	---	---	---	2 500	1 250	969	1 040	635	358	---	---	---	1948
1949	---	---	---	---	355	556	607	668	347	184	---	---	---	1949
1950	---	---	---	---	575	899	909	562	339	166	---	---	---	1950
1951	---	---	---	---	1 100	689	973	640	372	221	152	99.2	---	1951
1952	74.6	74.3	72.5	510	429	1 170	1 060	603	370	252	145	64.8	402	1952
1953	59.8	68.8	81.2	195	785	1 150	923	1 010	707	283	178	89.8	463	1953
1954	87.7	89.7	89.2	108	1 290	2 280	1 260	1 280	1 390	501	277	203	740	1954
1955	90.3	77.4	77.6	331	669	1 290	1 090	637	356	224	98.1	96.1	422	1955
1956	98.5	88.1	81.3	534	688	1 160	747	651	391	248	108	67.2	405	1956
1957	56.2	66.3	90.9	241	794	678	665	727	492	367	308	174	390	1957
1958	137	131	126	514	746	840	937	438	322	214	106	88.9	385	1958
1959	67.7	66.2	79.8	185	389	922	861	466	475	308	124	120	340	1959
1960	78.9	67.8	72.9	219	520	962	1 240	530	309	222	140	80.1	371	1960
1961	75.5	69.7	81.3	186	407	827	769	571	289	299	177	103	323	1961
1962	94.4	76.0	66.0	495	959	1 020	955	704	467	271	179	110	452	1962
1963	105	99.1	101	623	927	896	744	531	412	260	122	120	413	1963
1964	86.3	85.5	70.0	134	607	987	918	783	678	560	243	164	444	1964
1965	136	115	123	419	1 100	1 530	2 010	933	782	512	271	164	679	1965
1966	125	123	94.1	214	850	909	986	957	631	326	208	172	469	1966
1967	126	99.7	96.7	214	697	1 180	748	550	363	248	136	79.2	379	1967
1968	60.4	69.4	94.4	130	380	762	849	686	419	245	121	70.9	325	1968
1969	56.9	58.9	64.1	395	478	656	709	999	524	360	180	128	386	1969
1970	89.1	78.4	80.5	360	516	879	818	493	292	210	129	86.8	337	1970
1971	72.6	73.5	77.2	441	662	1 540	2 130	792	454	375	200	126	582	1971
1972	104	89.3	101	371	1 060	1 640	1 130	729	469	443	233	125	542	1972
1973	134	133	116	377	867	1 080	784	637	360	339	159	134	429	1973
1974	110	113	104	973	1 550	1 010	1 180	665	484	323	199	124	572	1974
1975	109	102	105	235	529	673	1 110	537	452	253	202	129	372	1975
1976	125	120	97.3	426	483	599	889	1 030	642	340	174	96.8	420	1976
1977	119	137	129	361	1 080	1 360	1 110	887	737	476	228	149	567	1977
1978	122	104	134	369	696	1 250	1 160	679	997	511	209	141	533	1978
1979	107	96.3	152	324	857	1 110	1 340	659	389	271	160	96.4	467	1979
1980	105	92.3	108	410	490	1 720	1 040	649	580	398	225	142	496	1980
1981	135	110	143	352	596	796	693	670	348	187	149	67.4	355	1981
1982	63.4	67.0	68.9	225	755	871	1 730	896	605	435	222	255	520	1982
MEAN	94.5	89.1	94.8	325	701	1 040	989	688	487	310	183	117	438	MEAN

LOCATION - LAT 54 43 20 N DRAINAGE AREA, 74 600 km^2
LONG 113 17 10 W NATURAL FLOW

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	1 670 ON JUL 6	---	---	1913
1914	---	3 090 ON JUN 10	76.5B ON DEC 26	13 400 000	1914
1915	---	2 760 ON JUN 30	81.0B ON FEB 22	14 700 000	1915
1916	---	2 080 ON JUL 7	63.4B ON FEB 2	11 900 000	1916
1917	---	2 490 ON MAY 24	56.6B ON FEB 20	13 400 000	1917
1918	---	1 470 ON JUN 18	70.8B ON DEC 31	11 300 000	1918
1919	---	1 030 ON JUN 26	51.5B ON MAR 6	9 420 000	1919
1920	---	2 500 ON MAY 11	70.2B ON MAR 16	16 700 000	1920
1921	---	1 480 ON JUN 11	71.4B ON DEC 29	13 600 000	1921
1922	940 AT 09:00 MST ON JUN 8	923 ON JUN 8	52.1B ON DEC 8	9 500 000	1922
1923	1 910 AT 08:00 MST ON JUN 17	1 870 ON JUN 17	47.0B ON FEB 13	12 500 000	1923
1924	1 580 AT 08:00 MST ON SEP 1	1 550 ON SEP 1	47.9B ON DEC 25	13 100 000	1924
1925	---	1 900 ON AUG 19	47.9B ON FEB 7	15 400 000	1925
1926	---	1 470 ON SEP 5	103 B ON DEC 28	12 500 000	1926
1927	---	2 230 ON JUN 27	97.7B ON DEC 31	15 700 000	1927
1928	2 240 AT 19:00 MST ON JUN 19	2 200 ON JUN 19	95.4B ON JAN 26	14 600 000	1928
1929	---	1 150 ON JUN 13	69.7B ON DEC 21	10 900 000	1929
1930	---	1 780 ON JUN 15	55.5B ON JAN 21	13 300 000	1930
1931	---	---	---	---	1931
1938	---	1 060 ON JUN 18	---	---	1938
1939	---	1 250 ON JUL 20	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	---	1 700 ON JUL 21	---	---	1942
1943	---	2 080 ON JUN 27	---	---	1943
1944	5 040 AT 16:30 MST ON JUN 18	4 810 ON JUN 18	---	---	1944
1945	---	951 ON JUN 3	---	---	1945
1946	---	1 630 ON JUN 1	---	---	1946
1947	2 080 AT 23:00 MST ON AUG 1	2 000 ON AUG 1	---	---	1947
1948	---	3 650 ON MAY 17	---	---	1948
1949	---	1 030 ON JUL 24	---	---	1949
1950	1 630 AT 14:00 MST ON JUN 18	1 570 ON JUN 18	---	---	1950
1951	---	1 800 ON MAY 8	---	---	1951
1952	2 450 AT 10:30 MST ON JUN 26	2 430 ON JUN 26	42.8B ON DEC 9	12 700 000	1952
1953	---	1 830 ON AUG 29	42.2B ON JAN 18 *	14 600 000	1953
1954	5 660 AT 14:30 MST ON JUN 10 *	5 440 ON JUN 10 *	65.1B ON JAN 30	23 300 000	1954
1955	2 350 AT 17:00 MST ON JUN 3	2 230 ON JUN 4	55.5B ON MAR 4	13 300 000	1955
1956	1 810 AT 20:15 MST ON JUN 8	1 720 ON JUN 9	45.6B ON DEC 14	12 800 000	1956
1957	1 170 AT 17:00 MST ON AUG 14	1 160 ON AUG 14	49.8B ON JAN 16	12 300 000	1957
1958	2 400 AT 23:00 MST ON JUL 1	2 270 ON JUL 2	61.7B ON NOV 18	12 100 000	1958
1959	1 760 AT 09:00 MST ON JUN 30	1 720 ON JUN 30	61.4B ON JAN 13	10 700 000	1959
1960	2 890 AT 20:00 MST ON JUN 28	2 810 ON JUN 28	58.3B ON MAR 10	11 700 000	1960
1961	1 150 AT 20:00 MST ON JUL 3	1 090 ON JUL 3	62.0B ON FEB 7	10 200 000	1961
1962	1 640 AT 21:00 MST ON MAY 22	1 550 ON MAY 22	62.6B ON MAR 11	14 200 000	1962
1963	1 610 AT 03:00 MST ON APR 29	1 590 ON APR 29	81.0B ON NOV 20	13 000 000	1963
1964	1 630 AT 07:00 MST ON JUN 22	1 600 ON JUN 22	64.6B ON MAR 31	14 100 000	1964
1965	3 680 AT 20:00 MST ON JUN 30	3 510 ON JUN 30	98.8B ON APR 3	21 400 000	1965
1966	1 790 AT 13:00 MST ON AUG 31	1 740 ON AUG 31	77.9B ON MAR 29	14 800 000	1966
1967	1 660 AT 09:00 MST ON JUN 21	1 630 ON JUN 21	59.5B ON DEC 31	12 000 000	1967
1968	1 290 AT 20:55 MST ON JUN 15	1 290 ON JUN 15	51.0B ON JAN 1	10 300 000	1968
1969	3 110 AT 16:47 MST ON AUG 9	3 000 ON AUG 9	55.2B ON JAN 15	12 200 000	1969
1970	1 630 AT 15:54 MST ON JUN 19	1 530 ON JUN 19	62.3B ON NOV 23	10 600 000	1970
1971	4 560A AT 08:00 MST ON JUL 14	4 470A ON JUL 14	69.4B ON JAN 27	18 400 000	1971
1972	3 540 AT 21:30 MST ON JUN 28	3 370 ON JUN 28	86.1B ON FEB 23	17 100 000	1972
1973	1 890A AT 02:30 MST ON JUN 28	1 840A ON JUN 28	110 B ON MAR 13	13 500 000	1973
1974	2 550 AT 02:40 MST ON APR 28	2 520 ON APR 28	92.6 ON NOV 25	18 000 000	1974
1975	1 850 AT 19:30 MST ON JUN 30	1 790 ON JUN 30	96.0B ON FEB 12	11 700 000	1975
1976	1 660 AT 08:30 MST ON AUG 20	1 630 ON AUG 20	87.8B ON MAR 18	13 200 000	1976
1977	2 380 AT 12:45 MST ON JUN 1	2 340 ON JUN 1	85.0B ON NOV 22	17 900 000	1977
1978	2 350 AT 05:00 MST ON JUL 15	2 290 ON JUL 15	94.0B ON FEB 8	16 800 000	1978
1979	2 320 AT 00:00 MST ON JUL 15	2 230 ON JUL 15	81.5B ON DEC 20	14 700 000	1979
1980	4 330 AT 15:45 MST ON JUN 8	4 190 ON JUN 8	85.3B ON DEC 11	15 700 000	1980
1981	1 270 AT 13:05 MST ON JUN 3	1 240 ON JUN 3	55.6B ON DEC 17	11 200 060	1981
1982	3 490 AT 12:36 MST ON JUL 8	3 420 ON JUL 8	58.0B ON JAN 10	16 400 000	1982
				13 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	1 200	1 700	2 790	1 180	654	536	325	199	---	1971
1972	143	134	212	450	1 970	1 770	1 630	928	550	576	401	197	749	1972
1973	237	200	181	551	1 230	2 060	1 500	1 360	813	790	470	322	813	1973
1974	269	240	220	---	---	---	---	1 110	826	584	378	257	---	1974
1975	229	198	216	436	1 230	1 150	2 060	1 130	1 310	737	431	275	788	1975
1976	243	219	182	1 050	807	823	1 380	1 360	1 380	795	---	---	---	1976
1977	---	---	---	719	1 420	1 880	1 550	1 190	1 000	793	391	---	---	1977
1978	---	---	---	497	1 240	1 640	1 390	998	1 760	1 210	590	---	---	1978
1979	---	---	---	---	---	1 780	1 800	1 070	884	663	---	---	---	1979
1980	---	---	---	---	711	1 770	1 340	1 290	1 100	859	---	---	---	1980
1981	---	---	---	---	626	1 170	948	904	530	376	---	---	---	1981
1982	---	---	---	---	1 270	1 100	1 960	1 180	876	679	---	---	---	1982
MEAN	224	198	202	617	1 170	1 530	1 670	1 140	974	717	427	250	783	MEAN

LOCATION - LAT 58 12 18 N   DRAINAGE AREA, 155 000 km^2
LONG 111 23 24 W   NATURAL FLOW

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	4 220 AT 21:00 MST ON JUL 17 *	4 190 ON JUL 17 *	---	---	1971
1972	---	3 260 ON JUL 2	123B ON FEB 5 *	23 700 000	1972
1973	2 710 AT 18:00 MST ON JUN 21	2 690 ON JUN 21	170B ON FEB 27	25 700 000	1973
1974	---	---	---	---	1974
1975	2 730 AT 24:00 MST ON JUL 3	2 700 ON JUL 4	195B ON FEB 10	24 900 000	1975
1976	---	2 150B ON APR 20	---	---	1976
1977	2 890 AT 02:15 MST ON JUN 5	2 860 ON JUN 5	---	---	1977
1978	2 360 AT 02:14 MST ON SEP 22	2 360 ON SEP 22	---	---	1978
1979	2 720 AT 19:15 MST ON JUL 17	2 610 ON JUL 17	---	---	1979
1980	---	3 900E ON JUN 11	---	---	1980
1981	---	1 500E ON JUN 9	---	---	1981
1982	3 250 AT 15:20 MST ON JUL 11	3 210 ON JUL 11	---	---	1982
				24 800 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	201	454	566	505	201	89.7	68.2	33.2	---	1915
1916	24.4	25.7	31.0	42.7	104	526	620	425	272	147	67.2	38.7	194	1916
1917	35.0	27.9	29.1	36.5	172	454	653	337	251	199	64.7	55.0	194	1917
1918	48.6	37.3	48.4	61.1	161	681	657	421	266	111	50.5	30.0	215	1918
1919	30.0	29.5	32.8	39.6	151	379	467	418	302	114	52.9	35.0	172	1919
1920	26.5	30.1	27.9	34.0	90.2	358	883	529	215	138	52.9	38.8	203	1920
1921	36.5	44.0	34.2	50.3	193	525	446	382	178	122	89.7	---	---	1921
1922	---	---	---	---	---	489	447	417	239	100	54.0	---	---	1922
1923	---	---	---	---	126	522	488	430	277	113	62.7	42.1	---	1923
1924	27.5	28.3	34.6	35.4	234	467	554	440	337	141	50.6	26.1	199	1924
1925	22.3	26.0	36.2	94.2	311	549	524	505	310	120	58.5	52.1	219	1925
1926	30.8	32.9	40.8	51.9	202	357	475	319	259	129	64.2	32.8	170	1926
1927	26.3	27.2	35.3	43.4	86.8	528	512	405	254	150	44.4	28.4	179	1927
1928	40.3	28.9	43.4	45.9	307	577	601	373	218	85.3	48.3	29.8	201	1928
1929	29.3	26.2	32.8	38.5	135	564	397	341	202	119	64.8	41.8	167	1929
1930	27.4	27.1	29.7	61.7	164	580	592	427	272	98.9	59.8	36.8	199	1930
1931	37.7	27.6	31.4	35.1	198	499	542	317	237	134	57.4	26.5	179	1931
1932	23.9	28.5	25.8	60.0	172	615	437	411	200	82.1	38.1	24.5	177	1932
1933	21.7	19.8	20.8	36.7	148	532	568	459	326	154	100	61.8	205	1933
1934	26.7	22.5	31.9	141	372	504	462	346	184	149	76.6	40.8	198	1934
1935	35.6	46.4	34.3	59.2	127	505	691	381	274	93.2	46.1	43.7	196	1935
1936	28.1	11.6	14.7	72.7	274	536	364	331	156	137	69.9	43.3	170	1936
1937	18.3	13.1	31.2	22.6	150	433	517	322	225	75.4	54.1	47.3	160	1937
1938	38.0	24.0	18.5	30.5	206	663	559	303	278	117	63.7	57.5	197	1938
1939	30.5	19.3	47.8	38.8	256	347	471	358	200	124	67.9	55.3	169	1939
1955	---	---	---	---	114	589	605	336	194	83.1	37.6	34.0	---	1955
1956	32.5	29.1	28.5	57.0	252	550	450	317	199	117	57.0	30.4	177	1956
1957	27.1	35.8	34.6	35.7	369	429	355	256	216	105	63.8	33.7	164	1957
1958	31.8	28.7	27.0	39.9	304	553	431	317	201	115	54.9	36.2	179	1958
1959	30.0	21.6	34.6	41.6	180	587	555	334	274	126	54.8	55.4	192	1959
1960	38.1	39.9	34.9	39.3	121	481	694	370	212	130	62.0	50.9	190	1960
1961	23.4	19.7	26.9	31.2	217	595	422	350	185	---	---	---	---	1961
MEAN	30.3	27.8	32.1	50.6	197	513	531	381	238	120	59.9	40.1	187	MEAN

LOCATION - LAT 53 22 37 N   LONG 117 41 42 W   DRAINAGE AREA, 9 530 km^2 NATURAL FLOW

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1 140 ON JUN 28	---	---	1915
1916	---	1 150 ON JUN 21	21.5 B ON JAN 1	6 140 000	1916
1917	---	940 ON JUL 4	23.9 B ON FEB 22	6 120 000	1917
1918	---	991 ON JUN 15	26.9 B ON FEB 16	6 790 000	1918
1919	---	790 ON JUN 23	26.1 B ON JAN 18	5 420 000	1919
1920	---	994 ON JUL 10	19.8 B ON APR 16	6 430 000	1920
1921	---	784 ON JUN 9	25.5 B ON JAN 16	---	1921
1922	---	776 ON JUN 5	---	---	1922
1923	---	867 ON JUN 14	---	---	1923
1924	---	906 ON JUL 5	21.0 B ON DEC 23	6 280 000	1924
1925	---	784 ON JUL 1	21.2 B ON JAN 1	6 890 000	1925
1926	---	691 ON JUL 8	26.9 B ON APR 4	5 370 000	1926
1927	---	722 ON JUN 11	20.6 B ON DEC 30	5 640 000	1927
1928	---	920 ON MAY 28	20.6 B ON JAN 1	6 350 000	1928
1929	---	881 ON JUN 10	20.2 B ON JAN 31	5 250 000	1929
1930	---	991 ON JUN 12	17.4 B ON DEC 22	6 260 000	1930
1931	---	917 ON JUN 20	17.4 B ON FEB 24	5 650 000	1931
1932	---	983 ON JUN 16	21.0 B ON JAN 1	5 590 000	1932
1933	---	1 170 ON JUN 17	18.2 B ON FEB 4	6 470 000	1933
1934	---	977 ON MAY 31	19.1 B ON MAR 8	6 240 000	1934
1935	---	988 ON JUL 3	18.7 B ON JAN 17	6 170 000	1935
1936	---	1 270 ON JUN 2 *	8.55B ON FEB 28	5 390 000	1936
1937	---	742 ON JUL 1	7.08 ON APR 26 *	5 040 000	1937
1938	---	1 070 ON JUN 25	17.0 B ON MAR 26	6 230 000	1938
1939	---	685 ON JUL 2	16.1 B ON JAN 31	5 340 000	1939
1955	---	1 090 ON JUN 14	---	---	1955
1956	---	799 ON JUN 6	17.4 B ON MAR 30	5 610 000	1956
1957	---	623 ON MAY 21	19.1 B ON JAN 11	5 180 000	1957
1958	---	776 ON MAY 31	17.3 B ON FEB 1	5 640 000	1958
1959	---	966 ON JUN 23	15.1 B ON JAN 24	6 060 000	1959
1960	---	1 030 ON JUL 2	26.0 B ON MAR 15	6 010 000	1960
1961	---	892 ON JUN 8	12.2 B ON JAN 15	---	1961
				5 910 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	31.9	215	574	402	338	171	172	61.3	31.4	---	1961
1962	22.5	18.7	19.0	57.8	154	465	463	350	200	95.9	63.3	40.5	163	1962
1963	68.3	46.6	16.9	51.2	156	493	464	329	233	117	56.5	41.0	173	1963
1964	30.4	30.7	24.3	36.9	96.2	603	497	283	216	161	74.3	40.3	174	1964
1965	28.0	28.8	31.9	49.2	147	573	628	445	243	167	98.6	100	213	1965
1966	33.7	32.4	21.7	49.1	238	435	553	413	238	146	66.4	46.8	191	1966
1967	46.8	42.7	36.6	47.6	124	670	524	382	257	120	60.7	48.5	197	1967
1968	43.6	36.6	41.9	34.5	164	498	620	386	255	106	54.4	36.6	190	1968
1969	35.1	32.2	35.1	50.6	212	507	385	448	196	101	62.9	38.4	176	1969
1970	30.6	33.8	26.8	31.1	110	521	382	286	132	69.6	34.4	30.1	141	1970
1971	24.1	31.4	27.7	40.6	213	581	497	393	215	116	48.6	29.7	186	1971
1972	33.5	30.0	41.4	36.7	218	752	459	353	199	118	52.5	35.9	194	1972
1973	32.7	32.9	35.2	38.5	201	457	384	310	153	100	46.3	45.4	154	1973
1974	36.5	31.5	30.0	48.6	123	565	532	370	234	131	62.1	52.7	186	1974
1975	34.2	29.6	32.6	38.0	101	347	511	278	157	90.5	80.4	42.9	146	1975
1976	30.8	32.2	29.5	43.9	207	321	513	469	264	119	49.3	38.8	177	1976
1977	34.5	33.1	30.3	42.4	166	466	417	365	208	92.6	39.8	39.8	162	1977
1978	33.8	31.5	34.9	43.7	138	515	558	324	359	166	62.1	44.5	193	1978
1979	34.7	32.5	33.6	35.4	121	417	440	300	185	95.7	35.4	25.0	147	1979
1980	22.5	26.1	27.6	57.5	266	526	352	269	182	134	55.8	48.4	164	1980
1981	39.3	26.0	32.4	38.7	235	308	416	370	205	79.4	55.7	24.1	154	1981
1982	30.6	27.5	27.7	36.7	108	584	589	350	281	145	59.9	47.8	191	1982
MEAN	34.6	31.8	30.3	42.8	169	508	481	355	217	120	58.2	42.2	175	MEAN

LOCATION - LAT 53 24 45 N DRAINAGE AREA, 9 780 km²
LONG 117 35 15 W NATURAL FLOW

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	818 AT 23:30 MST ON JUN 8	804 ON JUN 8	---	---	1961
1962	---	765A ON JUN 27	11.0B ON MAR 2	5 160 000	1962
1963	731 AT 14:00 MST ON JUN 20	719 ON JUN 20	10.8B ON MAR 14 *	5 470 000	1963
1964	850 AT 07:00 MST ON JUN 14	844 ON JUN 14	15.0B ON MAR 23	5 520 000	1964
1965	915 AT 17:00 MST ON JUL 9	900 ON JUL 9	15.7B ON DEC 28	6 700 000	1965
1966	779 AT 18:00 MST ON JUL 5	765 ON JUL 5	17.2B ON MAR 3	6 020 000	1966
1967	864 AT 17:00 MST ON JUN 18	855 ON JUN 18	24.4B ON NOV 28	6 220 000	1967
1968	1 040 AT 13:32 MST ON JUN 28	1 000 ON JUN 28	27.5B ON APR 3	6 020 000	1968
1969	1 060 AT 16:43 MST ON AUG 6	997 ON AUG 6	31.1B ON FEB 18	5 550 000	1969
1970	787 AT 14:30 MST ON JUN 17	776 ON JUN 17	19.8B ON NOV 26	4 450 000	1970
1971	934 AT 20:00 MST ON JUN 9	895 ON JUN 9	21.5B ON JAN 16	5 850 000	1971
1972	1 270 AT 02:30 MST ON JUN 13 *	1 200 ON JUN 12 *	27.8B ON JAN 1	6 140 000	1972
1973	994 AT 16:20 MST ON JUN 25	963 ON JUN 25	29.7 ON APR 8	4 850 000	1973
1974	1 080 AT 16:50 MST ON JUN 25	1 070 ON JUN 25	26.9B ON MAR 7	5 840 000	1974
1975	742 AT 09:30 MST ON JUL 8	736 ON JUL 8	28.3B ON FEB 25	4 610 000	1975
1976	646 AT 10:20 MST ON AUG 5	640 ON AUG 5	21.0B ON DEC 6	5 610 000	1976
1977	821 AT 08:30 MST ON JUN 9	770 ON JUN 9	19.3B ON NOV 21	5 110 000	1977
1978	971 AT 18:20 MST ON JUL 12	943 ON JUL 12	25.8B ON MAR 3	6 100 000	1978
1979	669 AT 06:00 MST ON JUN 6	659 ON JUN 6	17.5B ON DEC 16	4 640 000	1979
1980	795 AT 11:15 MST ON JUN 18	776 ON JUN 18	18.6B ON FEB 15	5 190 000	1980
1981	635 AT 16:10 MST ON MAY 27	619 ON MAY 27	17.0B ON DEC 15	4 850 000	1981
1982	1 020 AT 18:45 MST ON JUL 5	1 000 ON JUL 5	22.5B ON JAN 1	6 040 000	1982
				5 520 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	---	532	438	287	---	1957
1958	215	179	182	1 030	1 170	1 070	1 090	578	489	400	233	151	567	1958
1959	124	111	124	---	665	1 250	1 130	653	818	622	297	236	---	1959
1960	172	156	146	475	1 060	1 530	1 880	1 060	1 110	655	439	224	745	1960
1961	209	180	184	366	850	1 120	1 180	783	435	400	266	152	513	1961
1962	142	122	121	521	1 630	1 800	1 690	1 050	740	509	370	244	749	1962
1963	200	192	189	808	1 480	1 190	913	692	588	457	289	---	---	1963
1964	---	---	125	213	956	1 140	1 050	995	835	864	361	175	---	1964
1965	207	174	182	414	1 620	1 760	2 290	1 160	1 200	854	421	271	884	1965
1966	214	208	206	389	1 170	1 480	1 290	1 190	1 030	572	349	247	698	1966
1967	216	188	156	320	1 350	1 460	1 080	859	531	371	245	135	578	1967
1968	116	121	161	285	551	965	1 090	882	654	513	308	161	485	1968
1969	147	122	118	---	1 020	993	920	1 150	836	743	---	---	---	1969
1970	148	151	152	590	909	1 210	1 890	919	712	565	284	178	646	1970
1971	154	145	144	690	1 070	1 750	2 740	1 100	647	553	286	178	792	1971
1972	195	172	195	528	1 710	1 860	1 470	914	603	588	332	185	731	1972
1973	191	171	171	445	1 120	1 890	1 340	1 220	785	790	447	293	741	1973
1974	239	213	189	937	2 080	1 520	1 790	1 060	824	641	337	268	846	1974
1975	213	188	204	383	985	976	1 730	1 020	1 070	673	449	254	683	1975
1976	224	194	180	851	706	825	1 310	1 380	1 230	705	331	194	679	1976
1977	209	208	224	750	1 380	1 710	1 390	1 090	918	731	347	221	768	1977
1978	225	190	198	555	1 120	1 590	1 340	935	1 510	859	450	277	773	1978
1979	214	168	173	393	1 560	1 720	1 790	954	804	581	360	225	749	1979
1980	242	205	206	614	688	1 810	1 260	1 210	990	727	463	196	718	1980
1981	196	190	220	505	734	1 010	883	815	482	342	277	107	481	1981
1982	109	109	107	292	1 150	981	1 990	1 050	790	609	340	233	651	1982
MEAN	188	169	170	537	1 150	1 380	1 460	989	825	610	349	212	689	MEAN

LOCATION - LAT 56 46 50 N   DRAINAGE AREA, 133 000 km^2
LONG 111 24 00 W   NATURAL FLOW

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	2 440 AT 15:00 MST ON JUL 3	2 380 ON JUL 3	131 B ON NOV 30	17 900 000	1958
1959	2 030 AT 03:00 MST ON JUL 2	2 000 ON JUN 26	107 B ON FEB 17	---	1959
1960	4 280 AT 05:00 MST ON JUN 30	4 160 ON JUN 30	138 B ON MAR 12	23 600 000	1960
1961	---	1 840 ON JUL 5	130 B ON DEC 30	16 200 000	1961
1962	2 110 AT 14:00 MST ON JUL 23	2 090 ON JUL 23	118 B ON FEB 6	23 600 000	1962
1963	---	2 330E ON MAY 1	---	---	1963
1964	---	1 630 ON JUN 24	---	---	1964
1965	3 910 AT 13:00 MST ON JUL 2	3 850 ON JUL 2	164 B ON APR 7	27 900 000	1965
1966	2 060 AT 07:30 MST ON SEP 2	2 000 ON SEP 2	179 B ON JAN 3	22 000 000	1966
1967	1 830 AT 18:00 MST ON JUN 22	1 800 ON JUN 23	118 B ON DEC 31	18 300 000	1967
1968	1 500 AT 19:00 MST ON JUN 16	1 480 ON JUN 17	108 B ON JAN 5	15 300 000	1968
1969	2 970 AT 01:35 MST ON AUG 11	2 780 ON AUG 11	108 B ON MAR 28	---	1969
1970	3 910 AT 02:00 MST ON JUL 3	3 850 ON JUL 3	104 B ON NOV 26	20 400 000	1970
1971	4 790 AT 17:00 MST ON JUL 15 *	4 700 ON JUL 15 *	138 B ON MAR 14	25 000 000	1971
1972	3 680 AT 08:00 MST ON JUN 30	3 620 ON JUN 30	147 B ON NOV 28	23 100 000	1972
1973	2 550 AT 17:00 MST ON JUN 29	2 510 ON JUN 29	159 B ON FEB 26	23 400 000	1973
1974	3 030 AT 03:30 MST ON JUL 17	2 970 ON JUL 17	173 B ON DEC 3	26 700 000	1974
1975	2 470 AT 15:00 MST ON JUL 2	2 460 ON JUL 2	187 B ON JAN 28	21 500 000	1975
1976	2 090 AT 10:00 MST ON AUG 31	2 080 ON AUG 31	130 B ON NOV 28	21 500 000	1976
1977	2 860 AT 01:24 MST ON JUN 3	2 800 ON JUN 3	144 B ON NOV 28	24 200 000	1977
1978	2 510 AT 17:55 MST ON JUL 16	2 390 ON JUL 16	182 B ON FEB 22	24 400 000	1978
1979	2 930 AT 15:50 MST ON JUL 16	2 900 ON JUL 16	147 B ON DEC 4	23 600 000	1979
1980	4 170 AT 23:40 MST ON JUN 9	3 930 ON JUN 9	152 B ON DEC 18	22 700 000	1980
1981	1 430 AT 14:20 MST ON JUN 5	1 410 ON JUN 5	92.0B ON DEC 18 *	15 200 000	1981
1982	3 610 AT 20:09 MST ON JUL 9	3 490 ON JUL 9	95.0B ON JAN 11	20 500 000	1982
				21 800 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	116	49.5	26.3	15.6	---	1913
1914	13.5	9.13	9.45	16.3	67.4	233	322	184	90.4	53.7	24.3	15.3	87.2	1914
1915	15.2	13.1	12.0	21.3	112	225	285	341	97.1	45.1	23.8	20.3	102	1915
1916	7.81	12.7	12.9	21.0	44.5	251	295	208	128	61.6	30.3	17.1	91.1	1916
1917	12.2	11.2	8.00	9.66	69.7	199	297	175	105	75.9	32.7	24.9	85.6	1917
1918	20.9	11.3	10.4	18.8	77.5	315	277	169	131	69.2	22.7	16.8	95.4	1918
1919	13.0	9.77	10.3	16.1	76.3	195	255	231	113	36.2	29.1	18.2	84.1	1919
1920	10.3	9.74	9.07	11.8	40.5	191	390	232	117	62.2	26.6	14.6	93.4	1920
1921	12.2	11.0	9.48	19.9	75.5	260	270	213	91.8	47.2	31.1	29.7	89.8	1921
1922	16.4	11.4	8.22	13.0	67.7	282	270	255	156	54.1	---	---	---	1922
1923	---	---	---	---	65.8	273	272	232	135	52.6	23.9	14.8	---	1923
1924	8.75	10.5	9.96	11.2	116	198	263	226	150	63.7	31.8	12.8	92.3	1924
1925	---	9.25	13.4	19.2	155	266	304	244	141	42.7	21.8	17.9	---	1925
1926	9.85	10.4	13.4	39.3	81.4	157	269	174	102	41.8	21.5	12.7	78.2	1926
1927	9.19	7.51	8.41	15.9	48.5	215	234	204	119	69.8	22.9	8.74	80.7	1927
1928	13.8	9.51	6.68	9.17	174	277	331	219	102	37.0	21.4	14.1	102	1928
1929	8.54	6.47	7.94	11.2	62.1	292	219	222	107	54.5	20.8	11.9	85.7	1929
1930	6.84	8.96	8.55	23.0	77.8	266	307	243	124	42.8	[illegible]	14.3	95.8	1930
1931	10.2	8.16	8.69	10.8	81.8	262	---	---	---	---	---	---	---	1931
1970	---	---	---	---	47.0	277	230	177	62.3	31.7	13.0	10.8	---	1970
1971	8.89	12.8	9.65	14.7	105	248	222	225	104	49.3	23.9	15.0	87.0	1971
1972	12.8	13.0	12.0	11.3	110	374	229	223	97.9	46.9	22.0	14.2	97.4	1972
1973	12.7	12.5	9.66	13.4	89.6	223	201	208	91.7	44.0	17.3	15.6	78.7	1973
1974	12.1	12.4	9.97	19.5	53.2	300	286	202	113	61.7	25.1	17.8	93.1	1974
1975	13.4	12.5	10.8	11.9	45.9	183	311	156	83.0	46.4	40.0	18.6	78.3	1975
1976	14.2	12.1	11.1	17.0	107	169	299	270	142	54.6	24.8	19.0	95.5	1976
1977	13.2	10.5	9.37	17.2	63.1	223	206	203	96.1	39.5	23.3	15.1	77.1	1977
1978	12.6	11.9	9.73	15.5	62.1	273	316	186	195	71.7	28.3	20.4	101	1978
1979	13.2	11.0	11.8	12.4	53.9	216	254	187	110	45.7	12.8	12.5	78.8	1979
1980	12.6	11.1	9.33	39.7	153	211	197	152	88.7	60.3	22.4	30.7	82.6	1980
1981	17.2	10.8	12.0	13.9	121	154	249	240	115	35.0	26.7	14.1	84.7	1981
1982	11.8	10.9	9.29	10.3	45.4	304	294	195	143	51.8	21.7	17.1	93.2	1982
MEAN	12.3	10.7	10.1	16.7	82.2	242	272	213	115	51.6	24.4	16.7	88.9	MEAN

LOCATION - LAT 52 54 33 N   DRAINAGE AREA, 3 880 km^2
LONG 118 03 25 W   NATURAL FLOW

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	462 ON JUL 4	6.88B ON FEB 28	2 750 000	1914
1915	---	555 ON JUN 27	11.4 B ON MAR 29	3 210 000	1915
1916	---	617 ON JUL 13	3.79B ON JAN 24	2 880 000	1916
1917	---	388 ON JUL 19	6.34 ON MAR 24	2 700 000	1917
1918	---	544 ON JUN 14	6.80B ON MAR 3	3 010 000	1918
1919	---	518 ON JUN 22	7.08B ON DEC 16	2 650 000	1919
1920	---	515 ON JUL 4	5.66B ON JAN 18	2 950 000	1920
1921	---	433 ON JUN 24	7.93B ON MAR 12	2 830 000	1921
1922	---	394 ON JUL 4	4.81B ON MAR 29	---	1922
1923	---	439 ON JUN 14	---	---	1923
1924	---	402 ON JUL 3	4.96B ON JAN 31	2 920 000	1924
1925	---	391 ON JUN 27	8.64B ON FEB 23	---	1925
1926	---	368 ON JUL 6	6.51B ON JAN 3	2 470 000	1926
1927	---	311 ON JUN 10	6.77B ON MAR 10	2 550 000	1927
1928	---	569 ON MAY 27	4.81B ON MAR 14	3 220 000	1928
1929	---	464 ON JUN 2	3.68B ON JAN 30 *	2 700 000	1929
1930	---	552 ON JUN 11	4.81B ON JAN 31	3 020 000	1930
1931	---	---	6.23 ON MAR 25	---	1931
1970	---	374 ON JUN 21	---	---	1970
1971	---	368 ON JUN 8	8.07B ON JAN 15	2 740 000	1971
1972	---	637 ON JUN 11 *	8.55 ON APR 3	3 080 000	1972
1973	---	436 ON JUN 25	8.44 ON MAR 19	2 480 000	1973
1974	---	612 ON JUN 23	8.21 ON MAR 18	2 940 000	1974
1975	---	425 ON JUL 12	9.20B ON MAR 30	2 470 000	1975
1976	---	371 ON JUL 9	9.20B ON MAR 2	3 020 000	1976
1977	374 AT 08:30 MST ON JUN 8	357 ON JUN 8	8.30B ON MAR 31	2 430 000	1977
1978	467 AT 19:45 MST ON SEP 4	439 ON SEP 5	7.70A ON MAR 21	3 170 000	1978
1979	390 AT 05:30 MST ON JUL 22	360 ON JUL 21	7.71A ON APR 6	2 490 000	1979
1980	383 AT 09:35 MST ON JUN 17	363 ON JUN 17	8.00B ON MAR 23	2 610 000	1980
1981	348 AT 12:25 MST ON MAY 26	333 ON MAY 26	9.00B ON JAN 30	2 670 000	1981
1982	490 AT 03:00 MST ON JUN 23 *	479 ON JUN 22	8.50E ON MAR 27	2 940 000	1982
				2 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	249	707	813	409	228	145	72.3	81.0	---	1960
1961	65.7	57.8	55.1	84.3	317	692	502	399	207	237	128	60.1	235	1961
1962	68.2	53.5	43.2	158	360	614	629	449	294	150	111	136	257	1962
1963	102	57.5	40.9	171	319	634	545	373	291	163	84.6	45.4	236	1963
1964	49.3	54.4	28.1	58.1	247	777	648	477	381	272	103	64.2	264	1964
1965	38.9	41.6	42.8	157	359	895	1 090	678	455	301	151	57.6	357	1965
1966	58.8	65.3	46.5	117	534	595	734	647	369	250	133	77.6	304	1966
1967	47.6	49.6	37.3	45.5	237	855	651	465	287	147	93.3	53.5	248	1967
1968	43.5	35.7	63.2	77.5	249	591	704	485	299	145	75.1	62.6	237	1968
1969	39.8	46.1	45.1	77.0	265	575	468	635	278	153	56.2	40.9	225	1969
1970	47.7	53.2	50.4	92.4	214	632	457	314	155	95.8	57.3	48.7	185	1970
1971	36.4	37.8	39.9	129	296	890	892	486	275	169	79.4	67.0	284	1971
1972	54.0	42.6	70.2	87.1	389	1 030	561	437	276	219	102	71.7	279	1972
1973	56.8	54.2	57.9	131	416	616	484	395	203	170	66.4	63.2	227	1973
1974	50.2	47.8	47.0	164	349	679	636	428	286	172	90.9	66.5	252	1974
1975	48.8	45.5	40.1	72.1	207	441	619	309	189	120	103	50.4	188	1975
1976	48.4	54.2	43.0	128	298	435	634	668	361	172	85.1	62.7	250	1976
1977	53.5	52.5	51.5	90.2	427	676	642	547	367	202	93.8	62.3	274	1977
1978	57.4	53.7	52.0	129	258	685	721	424	484	236	---	---	---	1978
1979	---	---	60.3	92.8	257	544	598	367	231	135	---	---	---	1979
1980	---	---	43.6	136	352	887	523	376	284	200	---	---	---	1980
1981	---	---	58.7	86.5	343	430	504	466	258	119	---	---	---	1981
1982	---	---	43.1	53.7	299	695	939	533	404	248	---	---	---	1982
MEAN	53.7	50.2	48.2	106	315	677	652	468	298	184	93.6	65.1	253	MEAN

LOCATION - LAT 54 12 25 N; LONG 116 03 45 W
DRAINAGE AREA, 19 600 km^2
NATURAL FLOW

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	2 070 ON JUN 26	---	---	1960
1961	---	949 ON MAY 29	36.0B ON DEC 16	7 390 000	1961
1962	---	966 ON JUN 29	32.8B ON MAR 6	8 080 000	1962
1963	---	917 ON JUN 21	29.7B ON APR 2	7 450 000	1963
1964	---	1 230 ON JUN 20	23.4B ON MAR 30	8 340 000	1964
1965	---	2 130 ON JUL 10 *	30.3B ON MAR 31	11 300 000	1965
1966	---	1 190 ON AUG 29	38.5B ON MAR 9	9 590 000	1966
1967	---	1 170 ON JUN 20	28.2B ON MAR 14	7 830 000	1967
1968	1 210 AT 12:10 MST ON JUN 29	1 180 ON JUN 29	29.4B ON FEB 19	7 490 000	1968
1969	1 870 AT 09:52 MST ON AUG 7	1 760 ON AUG 7	31.1B ON JAN 23	7 070 000	1969
1970	1 030 AT 20:39 MST ON JUN 17	946 ON JUN 18	34.5B ON NOV 22	5 850 000	1970
1971	1 780 AT 06:00 MST ON JUN 11	1 700 ON JUL 12	32.6B ON JAN 13	8 970 000	1971
1972	1 970 AT 07:00 MST ON JUN 14 *	1 870 ON JUN 14	37.4B ON FEB 25	8 810 000	1972
1973	1 200 AT 09:00 MST ON JUN 26	1 170 ON JUN 26	51.0B ON NOV 10	7 170 000	1973
1974	1 360 AT 08:10 MST ON JUN 19	1 250 ON JUN 19	42.5B ON FEB 25	7 960 000	1974
1975	858 AT 05:30 MST ON JUL 9	850 ON JUL 8	39.6B ON MAR 11	5 930 000	1975
1976	1 070 AT 08:00 MST ON AUG 18	1 040 ON AUG 18	42.2B ON MAR 6	7 920 000	1976
1977	---	980A ON JUN 10	19.3B ON NOV 23 *	8 610 000	1977
1978	1 540 AT 04:00 MST ON JUL 13	1 460 ON JUL 13	---	---	1978
1979	1 050 AT 23:15 MST ON JUL 12	1 000 ON JUL 12	---	---	1979
1980	1 930 AT 07:10 MST ON JUN 6	1 870 ON JUN 6	---	---	1980
1981	818 AT 13:50 MST ON MAY 28	809 ON MAY 28	---	---	1981
1982	1 820 AT 18:25 MST ON JUL 5	---	---	---	1982
				7 990 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.409	0.233	0.262	0.223	0.178	0.160	---	---	---	1979
1980	---	---	---	0.812	0.222	0.303	0.115	0.229	0.115	---	---	---	---	1980
1981	---	---	---	0.561	0.234	0.138	0.166	0.105	0.112	---	---	---	---	1981
1982	---	---	---	---	0.600	0.130	0.382	0.102	0.144	0.146	---	---	---	1982
MEAN	---	---	---	0.687	0.366	0.201	0.231	0.165	0.137	0.153	---	---	---	MEAN

LOCATION - LAT 53 34 20 N   DRAINAGE AREA, 315 km^2
LONG 113 56 00 W   NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.92 AT 23:00 MST ON APR 18	1.51 ON APR 19	---	---	1979
1980	2.04 AT 09:00 MST ON APR 9	1.77 ON APR 9	---	---	1980
1981	---	1.24 ON MAR 17	---	---	1981
1982	4.08 AT 17:30 MST ON APR 21 *	3.96E ON APR 22 *	---	---	1982
				---	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.259	0.090	0.086	0.124	---	---	---	1975
1976	---	---	0.004	---	---	---	0.075	0.020	0.015	0.063	---	---	---	1976
1977	---	---	0	0.251	0.313	0.055	0.011	0.072	0.021	0.041	---	---	0.095	1977
1978	---	---	0.004	1.48	0.265	0.305	0.022	0.018	0.039	0.041	---	---	0.267	1978
1979	---	---	0	2.58	0.899	0.295	0.549	0.231	0.092	0.041	---	---	0.581	1979
1980	---	---	0	1.45	0.108	0.045	0.054	0.100	0.029	0.041	---	---	0.225	1980
1981	---	---	0.257	1.82	0.059	0.032	0.026	0.003	0.013	0.004	---	---	0.272	1981
1982	---	---	0	0.229	0.224	0.006	0.022	0.005	0.003	0.011	---	---	0.062	1982
MEAN	---	---	0.038	1.30	0.311	0.123	0.127	0.067	0.037	0.046	---	---	0.250	MEAN

LOCATION - LAT 53 53 10 N   DRAINAGE AREA, 364 km^2
LONG 110 55 10 W   NATURAL FLOW

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	0B ON MAR 6 *	---	1976
1977	---	0.790 ON MAY 20	0B ON MAR 1	2 020	1977
1978	4.84B AT 16:30 MST ON APR 11	3.85 B ON APR 11	0B ON MAR 1	5 660	1978
1979	13.1 AT 05:30 MST ON APR 26 *	12.3 ON APR 26 *	0B ON MAR 1	12 300	1979
1980	10.0 B AT 11:50 MST ON APR 14	7.91 B ON APR 14	0B ON MAR 1	4 770	1980
1981	8.15 AT 08:30 MST ON APR 3	7.10 B ON APR 2	0 ON JUN 15	5 760	1981
1982	1.06B AT 13:30 MST ON APR 29	1.03 B ON APR 29	0B ON MAR 1	1 320	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 310	MEAN

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.489	0.037	0.108	0.009	---	---	---	1965
1966	---	---	1.44	0.052	0.007	0.067	0.275	0.013	0.023	0	---	---	0.236	1966
1967	---	---	0	1.27	0.114	0	0.112	0	0	0	---	---	0.184	1967
1968	---	---	0.020	0.022	0	0.015	0.044	0.033	0.117	0.057	---	---	0.038	1968
1969	---	---	0	1.09	0.003	0	0	0	0	0	---	---	0.134	1969
1970	---	---	0.113	0.031	0.001	0.302	0.238	0	0	0	---	---	0.085	1970
1971	---	---	0.013	2.09	0.003	0	0	0	0	0	---	---	0.258	1971
MEAN	---	---	0.264	0.759	0.021	0.064	0.165	0.012	0.035	0.009	---	---	0.156	MEAN

LOCATION - LAT 51 19 50 N DRAINAGE AREA, 76.9 km^2
LONG 113 03 15 W NATURAL FLOW

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON JUN 25 *	---	1965
1966	18.7 E ON JUL 3 *	12.3 E ON MAR 27	0E ON MAR 1	5 000	1966
1967	---	7.76 ON APR 14	0B ON MAR 1	3 900	1967
1968	3.28 AT 21:30 MST ON SEP 22	1.47 ON SEP 23	0B ON MAR 1	812	1968
1969	---	7.28A ON APR 6	0B ON MAR 1	2 840	1969
1970	6.26 AT 05:30 MST ON JUN 14	3.85 ON JUN 14	0B ON MAR 1	1 800	1970
1971	18.6 AT 21:30 MST ON APR 13	13.3 A ON APR 9 *	0B ON MAR 1	5 470	1971
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	3 300	MEAN

BABETTE CREEK NEAR COLINTON STATION NO. 07CA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.874	0.375	0.836	0.278	0.298	2.96	0.584	---	---	---	1978
1979	---	---	---	---	0.847	0.241	0.662	0.049	0.001	0.001	---	---	---	1979
1980	---	---	---	0.108	0.026	0.013	0.083	0.167	0.152	---	---	---	---	1980
1981	---	---	---	0.697	0.068	0.033	0.062	0.032	0.005	---	---	---	---	1981
1982	---	---	---	0.635	0.137	0.009	0.113	0.199	0.050	0.008	---	---	---	1982
MEAN	---	---	---	0.579	0.291	0.226	0.240	0.149	0.634	0.198	---	---	---	MEAN

LOCATION - LAT 54 39 10 N DRAINAGE AREA, 222 km^2 DATA CONTRIBUTED BY -
LONG 113 04 45 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	6.97 ON SEP 18 *	---	---	1978
1979	5.24 B AT 16:10 MST ON APR 24 *	5.15 B ON APR 24	0 ON AUG 21 *	---	1979
1980	0.793 AT 12:15 MST ON APR 8	0.354B ON APR 8	0B ON APR 1	---	1980
1981	1.84 AT 08:14 MST ON APR 2	1.76 B ON APR 2	0B ON MAR 13	---	1981
1982	1.90 AT 19:15 MST ON APR 24	1.90 A ON APR 24	0B ON MAR 23	---	1982
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	MEAN

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.248	0.334	0.585	3.89	0.061	0.050	0.027	0.047	---	---	0.649	1968
1969	---	---	0	3.56	1.14	0.059	0.059	---	---	---	---	---	---	1969
MEAN	---	---	0.124	1.96	0.863	1.97	0.060	0.050	0.027	0.047	---	---	0.649	MEAN

LOCATION - LAT 55 31 52 N DRAINAGE AREA, 192 km²
LONG 118 23 28 W NATURAL FLOW

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	142 AT 06:30 MST ON JUN 13 *	69.9 ON JUN 13 *	0.019 ON SEP 2	13 700	1968
1969	---	17.8E ON APR 29	0 B ON MAR 1 *	---	1969
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 700	MEAN

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.58	1.33	0.898	---	---	---	1973
1974	---	---	---	---	1.69	9.88	7.11	3.45	1.29	0.744	---	---	3.91	1974
1975	---	---	---	---	1.23	5.37	5.22	3.11	1.64	0.863	---	---	2.90	1975
1976	---	---	---	---	---	5.64	8.60	5.95	3.70	1.21	---	---	---	1976
MEAN	---	---	---	---	1.16	6.96	6.98	3.77	1.99	0.929	---	---	3.41	MEAN

LOCATION - LAT 51 20 50 N DRAINAGE AREA, 124 km²
LONG 116 04 05 W NATURAL FLOW

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	25.0 AT 02:10 MST ON JUN 24 *	21.1 ON JUN 24 *	0.566E ON OCT 31	62 100	1974
1975	---	7.93E ON JUL 5	0.388 ON MAY 2 *	46 100	1975
1976	15.1 AT 01:30 MST ON JUL 1	13.1 ON JUL 1	0.595 ON MAY 1	---	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		54 100	MEAN

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	5.62	4.43	---	---	---	---	---	1974
1975	---	---	---	---	---	---	8.65	4.02	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	7.14	4.23	---	---	---	---	---	MEAN

LOCATION - LAT 51 35 40 N DRAINAGE AREA, 38.6 km² DATA CONTRIBUTED BY -
LONG 116 24 10 W NATURAL FLOW UNIVERSITY OF ILLINOIS

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	12.2E ON JUL 12 *	---	---	1975
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	5.17	4.70	4.29	---	---	---	---	---	1913
1915	---	---	---	---	---	3.61	6.70	9.16	2.78	0.998	0.668	0.506	---	1915
1916	0.448	0.408	---	---	---	---	9.30	5.84	3.50	1.31	0.649	0.484	---	1916
1917	0.379	0.332	0.262	0.258	1.57	3.85	8.03	6.07	3.21	2.29	0.797	0.563	2.32	1917
1918	0.418	0.351	0.322	0.434	1.16	8.97	8.14	7.89	6.20	1.57	0.564	0.608	3.06	1918
1919	0.382	0.308	0.298	0.412	2.06	4.32	6.05	6.27	3.90	1.04	0.578	0.364	2.18	1919
1920	0.304	0.267	0.246	0.291	0.923	2.96	7.67	5.89	2.54	1.15	---	---	---	1920
MEAN	0.386	0.333	0.282	0.349	1.43	4.81	7.23	6.49	3.69	1.39	0.651	0.505	2.52	MEAN

LOCATION - LAT 51 26 25 N DRAINAGE AREA, 67.6 km²
LONG 116 12 30 W NATURAL FLOW

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	7.84 ON JUN 13	---	---	1913
1915	---	11.8 ON JUN 26	---	---	1915
1916	---	17.8 ON JUN 20	---	---	1916
1917	---	10.0 ON JUL 21	0.249 ON MAR 26	73 200	1917
1918	---	23.5 ON JUN 16 *	0.294 ON APR 2	96 700	1918
1919	---	7.25A ON MAY 29	0.224A ON FEB 24 *	68 700	1919
1920	---	8.33 ON JUL 18	---	---	1920
				79 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0.455	0.524	0.546	0.403	0.468	0.379	---	---	0.462	1973
1974	---	---	---	---	0.033	0.475	0.627	0.534	0.487	0.409	---	---	0.427	1974
1975	---	---	---	---	0.054	0.310	0.373	0.673	0.526	0.332	---	---	0.378	1975
1976	---	---	---	---	0.244	0.373	0.448	0.460	0.640	0.364	---	---	0.421	1976
1977	---	---	---	---	0.245	0.284	0.270	0.223	0.393	0.238	---	---	0.275	1977
1978	---	---	---	---	0.049	0.149	0.545	0.860	0.962	0.400	---	---	0.494	1978
1979	---	---	---	---	0.024	0.402	0.372	0.342	0.505	0.352	---	---	0.332	1979
1980	---	---	---	---	0.422	0.233	0.406	0.487	0.470	0.266	---	---	0.381	1980
1981	---	---	---	---	0.454	0.452	0.561	0.566	0.360	0.496	---	---	0.483	1981
1982	---	---	---	---	0.100	0.399	0.541	0.684	0.653	0.163	---	---	0.422	1982
MEAN	---	---	---	---	0.208	0.360	0.469	0.523	0.546	0.340	---	---	0.408	MEAN

LOCATION - LAT 49 52 20 N
LONG 112 36 00 W REGULATED

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.903 ON AUG 7	0.005E ON MAY 1	7 340	1973
1974	---	1.08 ON JUL 8	0.013 ON MAY 28	6 780	1974
1975	---	1.05 ON AUG 19	0.022 ON OCT 31	6 000	1975
1976	---	1.09 ON SEP 13	0.004 ON MAY 10	6 690	1976
1977	---	0.685 ON JUL 18	0.007 ON MAY 4	4 370	1977
1978	---	2.02 ON AUG 23	0.011A ON OCT 30	7 840	1978
1979	---	0.916 ON OCT 20	0.001 ON JUN 3 *	5 270	1979
1980	---	2.36 ON MAY 24 *	0.008 ON MAY 10	6 060	1980
1981	---	1.83 ON JUN 14	0.007 ON MAY 2	7 660	1981
1982	---	2.23 ON JUL 1	0.016E ON MAY 16	6 700	1982
				6 470	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	3.47	1.30	0.965	0.481	0.364	0.240	---	1931
1932	---	---	---	5.48	9.45	4.05	---	---	---	---	---	---	---	1932
MEAN	---	---	---	5.48	9.45	4.05	3.47	1.30	0.965	0.481	0.364	0.240	---	MEAN

LOCATION - LAT 52 57 00 N DRAINAGE AREA, 5 010 km²
LONG 112 58 00 W NATURAL FLOW

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	9.15 ON JUL 8	---	---	1931
1932	---	24.6 ON APR 30 *	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE RIVER AT HIGHWAY NO. 41 - STATION NO. 05FE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	2.79	2.21	0.515	9.20	3.72	---	---	---	1978
MEAN	---	---	---	---	---	2.79	2.21	0.515	9.20	3.72	---	---	---	MEAN

LOCATION - LAT 52 59 45 N DRAINAGE AREA, 17 800 km²
LONG 110 51 15 W REGULATED SINCE 1973

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	1.31	0.363	0.098	---	1.05	---	---	---	1978
MEAN	---	---	---	---	---	1.31	0.363	0.098	---	1.05	---	---	---	MEAN

LOCATION - LAT 52 58 05 N DRAINAGE AREA, 4 870 km²
LONG 113 04 20 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON JUL 31 *	---	1978
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.792	0.146	0.027	---	1966
1967	0.008	0.002	0	2.81	17.4	3.75	0.800	0.276	0.079	0.010	---	---	3.15	1967
1968	---	---	1.80	1.97	0.549	0.057	0.079	0.009	0.409	0.492	---	---	0.669	1968
1969	---	---	0	24.9	8.64	1.14	0.511	0.069	0.239	0.216	---	---	4.42	1969
1970	---	---	0.014	21.9	10.2	2.22	6.28	1.98	1.24	0.916	---	---	5.56	1970
1971	---	---	0.028	18.9	26.3	3.86	4.39	5.12	2.40	1.22	---	---	7.77	1971
1972	---	---	0.719	15.6	12.0	3.75	2.38	1.05	1.09	0.982	---	---	4.68	1972
1973	---	---	1.36	13.1	9.82	4.35	9.09	14.7	7.94	4.03	---	---	8.05	1973
1974	---	---	0.456	52.1	137	31.6	13.4	8.37	4.38	3.02	---	---	31.3	1974
1975	---	---	0.014	3.77	21.9	6.22	2.88	1.00	0.290	0.445	---	---	4.58	1975
1976	---	---	0.327	6.76	3.71	0.574	0.186	0.070	0.024	0.110	---	---	1.46	1976
1977	---	---	0.112	0.895	2.63	1.80	0.594	0.119	0.057	0.050	---	---	0.780	1977
1978	---	---	1.52	5.60	3.39	1.56	0.707	0.403	3.62	2.24	---	---	2.37	1978
1979	---	---	4.87	18.5	14.0	3.36	1.64	1.04	0.357	0.824	---	---	5.55	1979
1980	---	---	0.274	13.0	6.27	2.86	4.86	4.63	7.87	8.47	---	---	6.01	1980
1981	---	---	6.65	13.5	5.03	3.21	2.27	10.3	6.71	3.38	---	---	6.36	1981
1982	---	---	0.581	8.22	44.1	10.0	23.0	16.6	6.35	5.44	---	---	14.4	1982
MEAN	0.008	0.002	1.17	13.8	20.2	5.02	4.57	4.11	2.69	1.92	0.146	0.027	6.69	MEAN

LOCATION - LAT 52 34 23 N DRAINAGE AREA, 7 680 km²
LONG 112 20 48 W REGULATED SINCE 1973

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	31.4 AT 15:00 MST ON MAY 1	31.1 ON MAY 1	0 B ON MAR 1 *	66 700	1967
1968	10.5 AT 23:30 MST ON OCT 7	7.42 ON OCT 8	0 ON JUN 27	14 200	1968
1969	---	37.7 B ON APR 10	0 E ON MAR 1	93 500	1969
1970	45.9 AT 12:00 MST ON JUL 1	[illegible].6 ON JUL 1	0.014B ON MAR 1	118 000	1970
1971	49.3 AT 17:30 MST ON MAY 1	49.0 ON APR 30	0.028B ON MAR 1	164 000	1971
1972	29.2 AT 12:00 MST ON APR 23	28.6 ON APR 23	0 B ON MAR 14	98 900	1972
1973	28.6 AT 09:00 MST ON AUG 7	27.8 ON AUG 7	0 B ON MAR 1	171 000	1973
1974	243 A AT 06:40 MST ON APR 30 *	242 A ON APR 30 *	0.365B ON MAR 27	662 000	1974
1975	33.7 AT 11:00 MST ON MAY 8	33.7 ON MAY 8	0.014B ON MAR 1	97 000	1975
1976	---	10.0 B ON APR 7	0.014 ON SEP 13	30 800	1976
1977	11.0 AT 19:30 MST ON MAY 16	9.15 ON MAY 17	0 ON AUG 22	16 500	1977
1978	16.6 AT 13:20 MST ON JUN 30	14.5 ON JUN 30	0 ON AUG 3	50 100	1978
1979	22.0 AT 20:10 MST ON MAY 1	22.0 ON MAY 1	0.018 ON SEP 10	118 000	1979
1980	25.5 AT 11:00 MST ON APR 22	25.3 ON APR 22	0.100B ON MAR 1	127 000	1980
1981	---	21.0 B ON MAR 29	1.30 B ON MAR 9	135 000	1981
1982	62.9 AT 22:47 MST ON MAY 6	62.4 ON MAY 6	0.235B ON APR 2	304 000	1982
MEAN				142 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR PONOKA - STATION NO. 05FA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.80	6.77	2.99	1.57	1.23	0.891	---	---	1913
1914	---	---	---	2.32	10.6	23.0	5.62	1.01	0.927	1.55	0.930	0.926	---	1914
1915	0.788	0.481	1.22	3.80	3.64	26.7	30.5	5.05	2.02	2.32	1.24	0.490	6.55	1915
1916	0.228	0.272	4.37	7.47	6.50	10.5	15.8	8.38	23.6	6.94	3.51	1.84	7.44	1916
1917	1.46	1.47	1.54	30.3	27.9	11.7	5.08	0.883	0.916	0.968	1.67	1.38	7.11	1917
1918	1.39	1.41	1.57	4.48	2.71	2.73	1.06	0.575	0.576	0.680	0.334	0.199	1.47	1918
1919	0.168	0.125	0.141	10.5	5.93	2.49	1.10	0.530	1.50	0.608	0.631	0.388	2.01	1919
1920	0.455	0.477	0.578	10.1	41.5	8.11	2.49	0.793	0.647	0.753	0.553	0.395	5.61	1920
1921	0.458	0.447	0.541	7.46	2.46	1.75	1.82	0.490	0.373	0.366	0.192	0.037	1.33	1921
1922	0.005	0.003	0.003	0.831	0.903	0.779	0.411	0.270	0.196	0.209	0.073	---	---	1922
1923	---	---	---	1.81	1.87	2.30	2.73	2.52	0.939	0.911	---	---	---	1923
1924	---	---	---	1.36	1.66	1.04	0.468	1.04	0.844	0.790	0.450	0.262	---	1924
1925	0.161	0.091	0.069	15.4	2.71	2.78	1.05	0.793	1.04	1.11	0.886	0.740	2.22	1925
1926	0.743	0.689	2.07	7.17	2.22	20.3	3.52	1.52	14.7	5.58	2.36	1.67	5.18	1926
1927	1.53	1.08	1.52	32.0	22.5	8.64	23.0	2.40	1.45	2.05	1.20	1.12	8.25	1927
1928	1.25	1.86	14.2	11.5	4.10	8.48	9.69	1.84	1.14	1.27	0.622	0.520	4.72	1928
1929	0.550	0.304	1.23	3.96	3.21	1.62	0.747	0.296	0.151	0.245	0.175	0.100	1.05	1929
1930	0.086	0.048	0.102	1.16	0.944	0.800	0.646	0.421	0.293	---	---	---	---	1930
1931	---	0.024	0.031	0.695	---	---	---	---	---	0.271	0.168	0.070	---	1931
1932	0.069	---	---	---	---	---	---	---	---	---	---	---	---	1932
1966	---	---	---	---	---	---	0.360	0.243	0.116	0.138	---	---	---	1966
1967	---	---	0	3.32	2.80	1.92	0.328	0.011	0	0	---	---	---	1967
1968	---	---	2.55	0.880	0.373	0.147	0.059	0.058	0.025	0.033	---	---	---	1968
1969	---	---	0.162	10.5	0.788	0.320	0.189	0.094	0.083	0.319	---	---	---	1969
1970	---	---	0.093	8.87	1.12	1.31	2.39	0.290	0.206	0.243	---	---	---	1970
1971	---	---	0.219	16.7	2.41	1.64	4.09	0.449	0.156	0.263	0.171	0.162	---	1971
1972	0.088	0.081	0.610	7.94	1.92	1.15	1.01	0.791	0.323	0.470	0.307	0.168	1.23	1972
1973	0.101	0.069	0.827	6.51	3.51	2.02	7.50	6.74	1.13	0.717	0.568	0.399	2.53	1973
1974	0.305	0.310	0.302	33.0	14.4	4.53	4.85	1.67	0.605	0.529	0.442	0.145	5.08	1974
1975	0.168	0.192	0.210	6.23	6.85	1.78	0.935	0.282	0.140	0.173	0.146	0.084	1.44	1975
1976	0.097	0.106	0.175	3.55	0.649	0.084	0.047	0.527	0.103	0.039	0.090	0.098	0.460	1976
1977	0.132	0.168	0.219	1.22	3.05	2.43	0.257	0.073	0.107	0.135	0.127	0.100	0.665	1977
1978	0.050	0.036	1.44	4.21	1.78	1.31	0.278	0.209	0.602	0.477	0.498	0.380	0.938	1978
1979	0.171	0.105	2.91	4.21	3.03	1.65	0.206	0.245	0.164	0.290	0.195	0.174	1.12	1979
1980	0.121	0.079	0.083	5.48	0.890	2.71	3.63	2.47	3.44	1.91	1.34	0.655	1.90	1980
1981	0.576	0.426	4.53	2.41	3.60	2.22	5.19	13.6	2.49	2.85	2.57	2.08	3.59	1981
1982	1.40	0.485	0.496	19.7	8.67	2.61	16.5	3.48	3.07	2.86	1.78	1.28	5.22	1982
MEAN	0.483	0.417	1.42	8.44	5.96	4.89	4.57	1.80	1.88	1.12	0.832	0.587	3.35	MEAN

LOCATION - LAT 52 39 44 N DRAINAGE AREA, 1 840 km^2
LONG 113 34 56 W NATURAL FLOW

BATTLE RIVER NEAR PONOKA - STATION NO. 05FA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	17.0 ON JUL 16	---	---	1913
1914	---	55.5 ON JUN 10	---	---	1914
1915	---	55.8 ON JUN 6	0.340B ON DEC 31	206 000	1915
1916	---	58.9 ON SEP 8	0.173B ON FEB 9	236 000	1916
1917	---	59.5 ON APR 14	0.680 ON AUG 18	224 000	1917
1918	---	7.08 ON APR 14	0.085B ON NOV 14	46 400	1918
1919	---	28.3 ON APR 14	0.028B ON NOV 14	63 300	1919
1920	---	90.9 ON MAY 9	0.249B ON JAN 25	177 000	1920
1921	---	32.3 B ON APR 16	0.006B ON DEC 25	41 800	1921
1922	---	2.41 ON JUN 6	0 B ON MAR 26 *	---	1922
1923	---	6.31 ON JUL 11	---	---	1923
1924	---	3.96 B ON APR 28	---	---	1924
1925	---	55.2 ON APR 10	0.020B ON MAR 16	70 200	1925
1926	46.4 AT 07:35 MST ON JUN 23	46.2 ON JUN 23	0.609B ON FEB 17	163 000	1926
1927	78.4 ON JUL 10	75.6 ON JUL 11	0.991B ON FEB 17	260 000	1927
1928	---	53.0 B ON MAR 26	0.479B ON DEC 20	149 000	1928
1929	---	8.67 B ON APR 18	0.040B ON FEB 7	33 100	1929
1930	---	1.53 B ON APR 2	0.037B ON FEB 24	---	1930
1931	---	---	0 B ON NOV 19	---	1931
1932	---	0.266B ON JAN 10	0.031B ON JAN 6	---	1932
1966	---	---	---	---	1966
1967	---	17.4 B ON APR 26	0 B ON MAR 1	---	1967
1968	---	---	0 A ON JUL 5	---	1968
1969	---	66.0 B ON APR 10	0 ON AUG 30	---	1969
1970	---	31.7 ON APR 12	---	---	1970
1971	55.5 AT 18:00 MST ON APR 16	53.5 ON APR 16	---	---	1971
1972	---	17.8 B ON APR 9	0.076B ON FEB 1	39 000	1972
1973	29.2 AT 24:00 MST ON JUL 4	27.8 ON JUL 5	0.059B ON FEB 9	79 800	1973
1974	108 AT 11:00 MST ON APR 19 *	104 ON APR 19 *	0.113B ON DEC 18	160 000	1974
1975	---	20.0 B ON APR 22	0.024 ON SEP 29	45 300	1975
1976	---	11.1 B ON APR 10	0.017 ON AUG 14	14 600	1976
1977	11.0 AT 13:00 MST ON MAY 31	9.88 ON MAY 31	0.009 ON JUL 27	21 100	1977
1978	13.8B AT 04:30 MST ON APR 1	12.7 B ON APR 1	0.023B ON JAN 21	29 600	1978
1979	15.6 AT 13:00 MST ON APR 22	15.2 ON APR 22	0.073A ON JUL 25	35 200	1979
1980	17.3 AT 07:00 MST ON JUL 4	14.4 ON JUL 4	0.065B ON MAR 18	59 900	1980
1981	65.3 AT 05:15 MST ON AUG 2	63.7 ON AUG 2	0.360B ON FEB 18	113 000	1981
1982	90.7 AT 02:21 MST ON APR 24	89.3 ON APR 24	0.280B ON MAR 3	164 000	1982
				106 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	3.93	3.28	1.04	---	---	---	---	---	1978
1979	---	---	---	---	---	---	---	---	---	---	---	0.639R	---	1979
1980	0.566	0.382	0.545	23.7	11.9	5.81	9.39	6.69	8.53	10.9	6.92	3.00	7.35	1980
1981	1.89	1.58	8.29	22.1	8.83	6.96	3.18	5.53	10.4	5.05	3.88	2.38	6.66	1981
1982	1.40	1.40	1.23	8.73	47.4	14.8	23.7	24.9	8.93	7.18	4.95	2.79	12.4	1982
MEAN	1.29	1.12	3.36	18.2	22.7	7.88	9.89	9.54	9.29	7.71	5.25	2.20 R	8.80	MEAN

LOCATION - LAT 52 51 23 N   DRAINAGE AREA, 25 000 km^2
LONG 110 01 06 W   REGULATED SINCE 1973

R - REVISED SINCE JAN 1980

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	53.2 AT 20:06 CST ON APR 16	46.3B ON APR 16	0.192B ON FEB 20 *	233 000	1980
1981	---	33.9B ON APR 5	1.23 B ON FEB 18	210 000	1981
1982	57.9 AT 18:21 CST ON MAY 13 *	57.6 ON MAY 13 *	1.03 B ON JAN 5	391 000	1982
				278 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.283	0.352	1.97	0.402	0.004	0	0	0	---	---	0.378	1967
1968	---	---	0.081	0.094	0.239	0.135	0.032	0	0.054	0.096	---	---	0.091	1968
1969	---	---	0.264	0.307	0.063	0.022	0.041	0	0	0	---	---	0.087	1969
1970	---	---	0.007	0.039	0.200	0.229	0.021	0	0	0	---	---	0.062	1970
1971	---	---	0.039	0.158	0.114	0.255	0.005	0	0	0	---	---	0.070	1971
1972	---	---	0.142	0.067	0.044	0.003	0	0	0	0	---	---	0.032	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.006	0.001	0.150	0.062	0	0	0	0	---	---	0.027	1974
1975	---	---	0	0.406	1.38	0.925	0.102	0.012	0.001	0.013	---	---	0.353	1975
1976	---	---	0.116	0.072	0.088	0.058	0.010	0	0	0	---	---	0.043	1976
1977	---	---	0	0.016	0.004	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.953	0.270	0.376	0.078	0.040	0	0.011	0.019	---	---	0.220	1978
1979	---	---	0.578	0.544	0.672	0.051	0	0	0	0	---	---	0.231	1979
1980	---	---	0.006	0.016	0.010	0.007	0	0	0	0	---	---	0.005	1980
1981	---	---	0.001	0	0.293	0.058	0.020	0	0	0	---	---	0.047	1981
1982	---	---	0.056	0.188	0.085	0.684	0.069	0	0	0	---	---	0.133	1982
MEAN	---	---	0.158	0.154	0.356	0.186	0.022	0.001	0.004	0.008	---	---	0.111	MEAN

LOCATION - LAT 49 01 30 N DRAINAGE AREA, 87.3 km²
LONG 111 12 48 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 26 *	---	1966
1967	9.26 AT 04:30 MST ON MAY 9	6.40 ON MAY 9 *	0 ON JUL 7	8 000	1967
1968	0.623 AT 19:45 MST ON MAY 25	0.413 ON MAY 13	0 ON JUL 22	1 940	1968
1969	1.34 B AT 07:00 MST ON MAR 19	1.27 B ON MAR 19	0B ON MAR 7	1 840	1969
1970	1.47 AT 02:57 MST ON JUN 18	1.31 ON JUN 18	0 ON MAR 1	1 300	1970
1971	2.89 A ON JUN 7	1.83 A ON JUN 8	0 ON JUL 16	1 490	1971
1972	1.09 AT 19:00 MST ON MAR 10	0.688 ON MAR 11	0 ON MAR 1	679	1972
1973	---	0.003 ON MAR 1	0 ON MAR 3	0.35	1973
1974	0.631 AT 05:05 MST ON MAY 28	0.566 ON MAY 28	0 ON MAR 4	580	1974
1975	10.0 AT 09:30 MST ON JUN 20 *	5.47 ON JUN 20	0 ON MAR 1	7 480	1975
1976	0.940 AT 17:50 MST ON MAR 18	0.833 ON MAR 18	0 ON JUL 22	908	1976
1977	0.164 AT 09:35 MST ON APR 8	0.125 ON APR 7	0E ON MAR 1	51.6	1977
1978	---	4.39 B ON MAR 21	0B ON MAR 1	4 650	1978
1979	5.11 B AT 19:50 MST ON MAR 7	3.77 B ON MAR 7	0 ON JUN 30	4 890	1979
1980	---	0.162 ON APR 16	0B ON MAR 1	104	1980
1981	1.07 AT 04:55 MST ON MAY 18	0.991 ON MAY 18	0 ON MAR 1	992	1981
1982	4.74 AT 15:55 MST ON JUN 1	2.56 ON JUN 4	0E ON MAR 1	2 820	1982
				2 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	2.60	1.94	1.81	---	---	---	0.454	---	---	---	1978
1979	---	---	---	---	1.13	0.667	0.225	0.174	0.087	---	---	---	---	1979
1980	---	---	---	---	0.479	---	---	0.301	0.109	0.217	---	---	---	1980
1981	---	---	---	0.672	4.05	0.991	5.32	2.35	0.586	---	---	---	---	1981
1982	---	---	---	---	1.55	1.40	3.61	0.758	0.353	0.422	---	---	---	1982
MEAN	---	---	---	1.64	1.83	1.22	3.05	0.896	0.284	0.364	---	---	---	MEAN

LOCATION - LAT 51 48 25 N DRAINAGE AREA, 227 km²
LONG 114 42 30 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	5.44 AT 03:30 MST ON JUN 21	5.10B ON APR 27	---	---	1979
1980	---	---	---	---	1980
1981	88.3 AT 22:37 MDT ON JUL 30 *	41.0 ON JUL 31 *	---	---	1981
1982	33.7 AT 07:54 MST ON JUL 5	24.8 ON JUL 5	---	---	1982
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.142	0.317	0.111	0.062	0.017	0	0	0.011	---	---	0.082	1921
1922	---	---	0.060	0.272	0.313	0.175	0.169	0.033	0.013	0.018	---	---	0.131	1922
1923	---	---	0.069	0.147	0.378	6.43	2.27	0.479	0.186	0.116	---	---	1.25	1923
1924	---	---	0.106	0.439	0.221	0.589	0.483	0.227	0.082	0.064	---	---	0.275	1924
1925	---	---	0.721	0.772	0.436	0.347	0.141	0.084	0.056	0.117	---	---	0.334	1925
1966	---	---	---	---	0.256	0.547	0.298	0.159	0.053	0.067	---	---	---	1966
1967	---	---	0.689	0.746	4.22	3.77	0.901	0.301	0.160	0.148	---	---	1.36	1967
1968	---	---	0.335	0.362	0.190	0.158	0.073	0.066	0.207	0.228	---	---	0.202	1968
1969	---	---	1.15	1.15	0.467	0.540	0.794	0.198	0.096	0.103	---	---	0.561	1969
1970	---	---	0.028	0.194	0.291	0.405	0.290	0.096	0.072	0.075	---	---	0.181	1970
1971	---	---	0.119	0.403	0.141	0.277	0.100	0.013	0.022	0.041	---	---	0.138	1971
1972	---	---	1.40	1.03	1.19	0.858	0.414	0.192	0.117	0.127	---	---	0.666	1972
1973	---	---	0.157	0.189	0.181	0.199	0.034	0.010	0.016	0.026	---	---	0.101	1973
1974	---	---	1.08	0.609	0.712	0.649	0.277	0.191	0.099	0.077	---	---	0.462	1974
1975	---	---	0.063	0.711	0.865	1.50	0.918	0.378	0.189	0.137	---	---	0.593	1975
1976	---	---	0.603	0.227	0.136	0.148	0.051	0.858	0.236	0.138	---	---	0.301	1976
1977	---	---	0.164	0.131	0.061	0.028	0.004	0.012	0.025	0.028	---	---	0.057	1977
1978	---	---	1.30	0.270	0.607	1.05	0.621	0.322	0.271	0.154	---	---	0.575	1978
1979	---	---	0.560	0.700	1.05	0.510	0.186	0.099	0.054	0.055	---	---	0.402	1979
1980	---	---	0.150	0.228	0.088	0.119	0.020	0.008	0.016	0.031	---	---	0.082	1980
1981	---	---	0.095	0.068	0.452	0.704	0.332	0.136	0.050	0.055	---	---	0.236	1981
1982	---	---	0.076	0.242	0.066	0.100	0.046	0	0	0.009	---	---	0.067	1982
MEAN	---	---	0.432	0.438	0.565	0.871	0.384	0.176	0.092	0.083	---	---	0.384	MEAN

LOCATION - LAT 49 38 21 N DRAINAGE AREA, 256 km²
LONG 113 47 38 W NATURAL FLOW

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.850B ON APR 2	0 ON JUL 11 *	1 740	1921
1922	---	1.08 ON APR 28	0 B ON MAR 1	2 780	1922
1923	15.7 ON JUN 1	14.5 ON JUN 1 *	0.023B ON MAR 10	26 400	1923
1924	---	3.23 ON APR 7	0.042 ON OCT 30	5 830	1924
1925	---	3.40 B ON MAR 27	0.011 ON SEP 4	7 060	1925
1966	---	0.892 ON JUN 5	---	---	1966
1967	14.6 AT 19:15 MST ON MAY 8	8.78 ON MAY 8	0 B ON MAR 11	28 900	1967
1968	0.980 AT 22:50 MST ON SEP 23	0.651 ON SEP 26	0.024 ON AUG 6	4 280	1968
1969	---	4.42 B ON MAR 17	0.037B ON MAR 1	11 900	1969
1970	1.85 AT 01:40 MST ON JUN 14	1.55 ON JUN 14	0 B ON MAR 1	3 830	1970
1971	1.50 AT 00:00 MST ON JUN 8	0.923B ON MAR 30	0 ON AUG 16	2 940	1971
1972	---	5.86 ON MAR 16	0.006B ON MAR 1	14 100	1972
1973	0.629 AT 22:45 MST ON APR 25	0.479 ON MAY 26	0 ON AUG 5	2 140	1973
1974	21.4 B AT 17:20 MST ON MAR 27	6.91 B ON MAR 27	0.014B ON MAR 4	9 790	1974
1975	9.68 AT 01:00 MST ON JUN 20	6.20 ON JUN 20	0.022B ON MAR 15	12 600	1975
1976	26.5 AT 09:20 MST ON AUG 5 *	6.63 ON AUG 5	0.008B ON MAR 2	6 370	1976
1977	0.680 AT 22:30 MST ON APR 5	0.379 ON APR 6	0 ON JUL 7	1 200	1977
1978	---	4.22 B ON MAR 17	0.002B ON MAR 1	12 200	1978
1979	2.41 B AT 16:10 MST ON MAR 10	1.86 B ON MAR 10	0.003B ON MAR 3	8 490	1979
1980	---	0.704B ON MAR 1	0 ON JUL 28	1 740	1980
1981	3.25 AT 03:30 MST ON JUN 14	2.64 ON JUN 14	0.032 ON SEP 19	5 000	1981
1982	1.07 AT 21:45 MST ON APR 12	0.843 ON APR 12	0 B ON MAR 1	1 410	1982
				8 130	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	2.45	1.48	0.283	0.369	2.28	0.578	---	---	---	1911
1912	---	---	---	1.25	0.894	0.408	0.371	0.153	0.098	0.130	---	---	---	1912
1913	---	---	---	---	1.45	0.558	0.197	0.111	0.072	0.095	---	---	---	1913
1914	---	---	---	0.664	0.669	0.359	0.170	0.089	0.097	0.424	---	---	---	1914
1915	---	---	---	0.596	2.79	2.16	0.950	0.463	0.342	0.422	---	---	---	1915
1916	---	---	0.713	1.39	1.52	1.76	0.834	0.249	0.141	0.159	---	---	---	1916
MEAN	---	---	0.713	0.975	1.63	1.12	0.468	0.239	0.505	0.301	---	---	---	MEAN

LOCATION - LAT 49 28 30 N DRAINAGE AREA, 62.4 km²
LONG 114 09 30 W NATURAL FLOW

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	7.42 ON MAY 16 *	---	---	1911
1912	---	2.49 ON APR 11	---	---	1912
1913	---	3.45 ON APR 21	---	---	1913
1914	---	1.27 ON APR 20	---	---	1914
1915	---	5.72 ON MAY 18	---	---	1915
1916	---	2.89 ON MAY 30	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.738	0.199	0.076	---	1975
1976	0.004	0	0.007	1.19	0.412	0.401	0.392	2.60	2.31	1.11	0.185	0.011	0.719	1976
1977	0	0	0.008	0.922	1.16	0.950	0.552	0.551	0.215	0.333	0.158	0.054	0.410	1977
1978	0.031	0.007	0	0.702	1.24	0.511	0.141	0.446	4.71	1.25	0.330	0.083	0.785	1978
1979	0.046	0.023	0.031	0.644	3.96	0.759	0.332	0.568	1.34	0.481	0.325	0.120	0.724	1979
1980	0.060	0.003	0.019	0.734	0.208	0.165	0.272	3.31	1.49	0.550	0.226	0.026	0.591	1980
1981	0.041	0.038	0.125	0.485	0.672	0.493	0.488	0.071	0.017	0.046	0.086	0.060	0.219	1981
1982	0.024	0.017	0.021	0.681	1.66	0.271	0.258	0.339	0.213	0.194	0.087	0.057	0.321	1982
MEAN	0.029	0.013	0.030	0.765	1.33	0.507	0.348	1.13	1.47	0.588	0.200	0.061	0.538	MEAN

LOCATION - LAT 56 56 29 N DRAINAGE AREA, 165 km^2
LONG 111 33 54 W NATURAL FLOW

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.3 AT 01:00 MST ON AUG 28	18.5 ON AUG 28	0 B ON JAN 10 *	22 700	1976
1977	---	2.83B ON APR 18	0 B ON JAN 1	12 900	1977
1978	20.3 AT 21:21 MST ON SEP 9	17.5 ON SEP 10	0 B ON FEB 26	24 700	1978
1979	9.91 AT 03:35 MST ON MAY 12	9.13 ON MAY 12	0.020B ON FEB 12	22 800	1979
1980	22.7 AT 05:20 MST ON AUG 5 *	20.7 ON AUG 5 *	0 B ON FEB 13	18 700	1980
1981	1.44 AT 18:35 MST ON MAY 7	1.40B ON APR 30	0.001E ON SEP 18	6 930	1981
1982	3.18 AT 03:46 MST ON MAY 3	2.96 ON MAY 3	0.016B ON FEB 15	10 100	1982
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 000	MEAN

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	10.2	3.33	2.11	---	1955
1956	2.18	2.65	2.80	77.8	95.1	60.3	111	49.8	41.1	41.0	23.0	9.30	43.2	1956
1957	4.76	2.94	3.09	30.2	39.7	18.1	15.0	12.7	11.3	18.1	13.1	6.95	14.7	1957
1958	5.75	5.07	4.95	86.6	52.4	19.9	7.73	3.50	7.39	10.6	5.92	2.03	17.6	1958
1959	1.29	1.11	2.25	17.1	14.0	16.2	26.9	11.8	42.2	33.8	23.1	7.14	16.4	1959
1960	3.93	0.912	1.87	37.0	67.6	78.9	71.4	97.0	77.8	40.7	25.5	15.5	43.3	1960
1961	10.2	7.04	8.26	43.2	79.4	31.9	24.5	32.3	7.49	4.18	4.92	2.01	21.4	1961
1962	1.80	1.94	2.35	36.4	69.9	284	145	87.0	37.7	28.5	23.3	10.4	60.8	1962
1963	7.07	5.52	5.53	115	112	44.5	20.0	9.81	7.45	5.89	2.48	1.42	28.0	1963
1964	0.888	0.604	1.70	15.2	32.1	12.3	6.10	10.5	21.9	20.2	9.24	3.50	11.2	1964
1965	3.88	3.37	2.69	26.5	85.0	118	53.8	15.5	29.7	18.4	11.2	7.44	31.4	1965
1966	3.25	3.59	4.90	48.2	34.7	46.5	20.4	16.9	26.0	10.4	7.55	4.42	18.9	1966
1967	4.56	4.07	3.75	17.2	72.6	23.6	10.3	10.6	3.93	3.43	3.90	1.64	13.4	1967
1968	1.30	1.80	3.81	12.3	7.89	6.29	4.03	4.25	11.6	24.2	10.6	3.20	7.61	1968
1969	1.94	1.85	3.78	80.4	60.8	25.2	11.9	13.8	14.8	24.5	11.3	6.97	21.5	1969
1970	4.01	3.16	3.69	53.3	40.9	21.8	164	71.1	63.5	53.7	34.1	17.6	44.6	1970
1971	11.8	9.80	9.69	112	100	57.2	137	47.7	18.2	11.8	8.13	5.25	44.3	1971
1972	3.59	3.72	4.38	40.4	77.0	20.2	9.72	7.57	5.02	7.00	4.43	2.19	15.5	1972
1973	2.54	3.59	2.51	15.4	21.4	53.4	39.4	50.3	54.5	46.1	27.1	17.8	27.9	1973
1974	10.9	8.91	8.67	154	248	81.0	45.1	23.9	21.8	19.8	12.3	7.81	53.7	1974
1975	6.20	6.46	6.00	42.0	82.7	58.5	82.8	39.0	36.1	19.4	11.3	8.02	33.4	1975
1976	7.90	6.89	6.05	36.1	17.5	18.0	65.1	28.5	26.7	13.4	6.62	3.76	19.7	1976
1977	4.72	4.70	4.33	21.3	33.4	25.5	15.3	20.7	14.3	22.1	10.2	4.86	15.2	1977
1978	4.99	4.99	5.49	33.0	40.3	85.7	20.3	9.79	32.7	29.9	11.2	7.35	23.8	1978
1979	5.82	5.13	8.19	40.4	81.6	68.1	41.4	19.6	18.3	13.7	8.14	4.53	26.3	1979
1980	3.80	3.03	3.05	32.6	12.5	7.41	4.64	29.4	31.8	27.7	11.7	5.99	14.5	1980
1981	4.50	4.78	9.54	24.5	15.5	8.98	23.7	9.25	3.66	2.98	2.70	2.16	9.39	1981
1982	1.50	1.40	1.59	12.4	26.0	11.2	10.3	7.03	4.72	3.47	2.27	1.90	7.02	1982
MEAN	4.63	4.04	4.63	46.7	60.0	48.2	44.0	27.4	24.9	20.2	11.7	6.19	25.4	MEAN

LOCATION - LAT 54 21 20 N DRAINAGE AREA, 14 500 km^2
LONG 110 13 00 W NATURAL FLOW

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	---	---	---	1955
1956	---	214 ON APR 26	1.98 B ON JAN 1	1 360 000	1956
1957	---	82.4 ON APR 27	2.10 B ON MAR 1	464 000	1957
1958	118 AT 14:00 MST ON APR 11	116 ON APR 11	1.76 B ON DEC 20	555 000	1958
1959	62.9 AT 08:30 MST ON SEP 8	62.6 ON SEP 7	0.963B ON FEB 17	518 000	1959
1960	---	154 ON AUG 3	0.566B ON FEB 17	1 370 000	1960
1961	105 AT 18:00 MST ON APR 28	105 ON APR 28	1.68 B ON DEC 26	675 000	1961
1962	617 AT 03:00 MST ON JUN 13 *	612 ON JUN 13 *	1.65 B ON JAN 2	1 920 000	1962
1963	---	275 ON APR 19	1.03 B ON DEC 20	884 000	1963
1964	---	41.9 ON MAY 14	0.368B ON FEB 14 *	354 000	1964
1965	---	159 ON JUN 7	2.06 B ON MAR 30	989 000	1965
1966	---	73.3 ON APR 10	2.86 B ON FEB 4	596 000	1966
1967	---	101 B ON MAY 1	1.30 ON DEC 31	423 000	1967
1968	---	36.2 ON OCT 1	1.18 B ON JAN 10	241 000	1968
1969	---	162 ON APR 20	1.44 B ON FEB 28	677 000	1969
1970	263 AT 12:38 MST ON JUL 10	261 ON JUL 10	3.00 B ON FEB 17	1 410 000	1970
1971	275 AT 18:00 MST ON APR 20	268 ON APR 25	3.54 B ON DEC 25	1 400 000	1971
1972	110 AT 10:30 MST ON MAY 3	109 ON MAY 3	1.64 B ON DEC 14	489 000	1972
1973	104 AT 06:30 MST ON JUN 23	103 ON JUN 22	1.78 B ON MAR 11	881 000	1973
1974	---	394 A ON APR 26	6.71 ON DEC 31	1 700 000	1974
1975	159 B AT 23:00 MST ON APR 25	135 ON APR 26	5.55 B ON APR 3	1 050 000	1975
1976	99.7 AT 15:00 MST ON JUL 20	99.1 ON JUL 20	3.40 B ON DEC 15	624 000	1976
1977	70.5 AT 00:00 MST ON APR 17	51.3 ON MAY 31	4.02 B ON JAN 1	479 000	1977
1978	171 AT 04:00 MST ON JUN 6	168 ON JUN 6	4.84 B ON MAR 1	750 000	1978
1979	205 B AT 09:50 MST ON APR 26	181 B ON APR 26	4.05 B ON DEC 30	831 000	1979
1980	160 B AT 09:45 MST ON APR 16	106 B ON APR 16	2.88 B ON MAR 2	457 000	1980
1981	37.4 AT 13:30 MST ON JUL 15	37.0 ON JUL 15	1.75 B ON DEC 31	296 000	1981
1982	48.6 AT 05:00 MST ON APR 29	47.7 ON APR 29	1.28 B ON FEB 27	221 000	1982
				801 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	1.61	2.45	0.746	0.729	0.793	---	---	---	1961
1962	---	---	---	---	---	4.26	2.69	0.537	0.450	0.530	---	---	---	1962
1963	---	0.093	0.102	---	---	1.55	1.44	---	0.906	0.412	---	---	---	1963
1964	---	---	---	---	---	---	---	---	0.335	0.268	---	---	---	1964
1965	---	---	---	---	---	---	0.508	0.157	0.465	0.451	---	---	---	1965
1972	---	---	---	3.76	9.40	2.48	0.737	0.204	0.194	1.09	0.455	0.279	---	1972
1973	0.181	0.128	0.493	2.31	1.61	9.40	5.60	3.55	0.721	2.00	0.710	0.361	2.26	1973
1974	0.204	0.132	0.179	7.53	4.45	2.02	2.25	1.48	1.27	0.682	0.428	0.257	1.74	1974
1975	0.124	0.089	0.073	1.00	2.88	3.77	7.84	1.83	3.35	1.64	0.291	0.067	1.93	1975
MEAN	0.170	0.111	0.212	3.65	4.59	3.58	2.94	1.21	0.936	0.874	0.471	0.241	1.98	MEAN

LOCATION - LAT 57 06 00 N DRAINAGE AREA, 454 km^2
LONG 111 38 00 W REGULATED SINCE 1975

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	20.2 ON JUN 18	0.099B ON FEB 23	71 400	1973
1974	---	21.1 ON APR 19	0.110 ON FEB 8	54 900	1974
1975	---	54.1 ON JUL 18 *	0.062B ON DEC 8 *	60 700	1975
				62 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.331	0.440	0.427	---	---	---	1967
1968	---	---	1.66	2.37	1.16	1.19	0.372	0.470	1.15	1.94	---	---	1.29	1968
1969	---	---	---	---	13.2	4.65	1.42	2.79	4.84	5.25	---	---	---	1969
1970	---	---	0.401	20.7	8.46	3.31	43.6	21.1	12.8	11.0	---	---	15.2	1970
1971	---	---	2.55	54.4	33.6	23.1	44.5	14.1	6.18	2.82	---	---	22.6	1971
1972	---	---	0.599	17.2	22.4	6.16	2.98	1.89	1.36	1.15	---	---	6.70	1972
1973	---	---	0.515	3.19	2.94	13.5	4.22	6.61	5.22	4.87	---	---	5.11	1973
1974	---	---	1.89	54.9	51.9	16.3	11.2	6.45	5.08	4.29	---	---	18.9	1974
1975	---	---	1.41	14.8	15.4	7.44	17.0	7.48	16.0	6.15	---	---	10.7	1975
1976	---	---	2.04	14.4	5.11	2.98	7.50	1.51	1.17	0.841	---	---	4.42	1976
1977	---	---	0.656	10.0	14.6	7.67	2.01	2.35	2.72	7.56	---	---	5.94	1977
1978	---	---	2.14	20.0	13.3	37.6	5.84	2.47	18.7	12.8	---	---	14.0	1978
1979	---	---	3.82	26.0	32.8	20.2	17.7	7.71	4.41	2.18	---	---	14.3	1979
1980	---	---	0.604	11.9	2.17	1.80	0.844	3.99	3.05	2.55	---	---	3.33	1980
1981	---	---	4.34	8.96	3.37	1.85	2.73	1.11	0.343	0.174	---	---	2.85	1981
1982	---	---	0.233	4.64	2.68	0.586	0.276	0.155	0.075	0.050	---	---	1.08	1982
MEAN	---	---	1.63	18.8	14.9	9.89	10.8	5.03	5.22	4.00	---	---	9.03	MEAN

LOCATION - LAT 54 26 08 N DRAINAGE AREA, 4 710 km²
LONG 111 22 00 W NATURAL FLOW

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	7.36B ON MAR 27	0.142B ON MAR 1	27 200	1968
1969	---	---	---	---	1969
1970	79.6 AT 12:20 MST ON JUL 6	79.0 ON JUL 6	0.283B ON MAR 1	322 000	1970
1971	127 AT 00:30 MST ON APR 22	126 ON APR 22	1.77 B ON OCT 27	478 000	1971
1972	34.5 AT 02:20 MST ON APR 28	34.3 ON APR 27	0.357B ON MAR 25	142 000	1972
1973	35.7 AT 10:20 MST ON JUN 20	35.4 ON JUN 20	0.113B ON MAR 1	108 000	1973
1974	148 AT 23:00 MST ON APR 19 *	143 ON APR 20 *	1.27 B ON APR 6	400 000	1974
1975	56.6B AT 20:00 MST ON APR 23	42.8 ON APR 24	1.33 B ON MAR 24	226 000	1975
1976	---	22.9 B ON APR 9	0.575 ON OCT 7	93 600	1976
1977	26.2 AT 19:15 MST ON MAY 20	26.0 ON MAY 20	0.623B ON MAR 22	126 000	1977
1978	94.3 AT 16:15 MST ON JUN 2	92.9 ON JUN 2	0.150B ON MAR 21	296 000	1978
1979	74.6B AT 19:30 MST ON APR 23	71.2 ON APR 24	1.60 ON OCT 25	303 000	1979
1980	29.0B AT 13:30 MST ON APR 13	28.5 B ON APR 13	0.344 ON JUL 22	70 600	1980
1981	14.3B AT 12:55 MST ON APR 1	14.2 B ON APR 1	0.100 ON OCT 21	60 300	1981
1982	---	15.8 B ON APR 25	0.004B ON MAR 1 *	22 800	1982
				191 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	0.001	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.043	0.005	0.003	0.001	0	0.004	0	0	---	---	0.007	1978
1979	---	---	0.049	0.019	0.008	0.002	0	0	0	0	---	---	0.010	1979
1980	---	---	0	0.010	0.006	0.003	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0.003	0.008	0.031	0.023	0.015	0.011	---	---	0.012	1981
1982	---	---	0.011	0.098	0.010	0.012	0.012	0.006	0.005	0.003	---	---	0.019	1982
MEAN	---	---	0.017	0.022	0.005	0.004	0.006	0.005	0.003	0.002	---	---	0.009	MEAN

LOCATION - LAT 51 21 45 N DRAINAGE AREA, 45.3 km²
LONG 114 26 20 W NATURAL FLOW

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON APR 15 *	---	1976
1977	---	0.023 ON MAY 16	0 ON MAR 1	11.4	1977
1978	0.595 AT 01:00 MST ON MAR 29 *	0.309 ON MAR 29	0B ON MAR 1	152	1978
1979	---	0.190B ON MAR 13	0B ON MAR 1	210	1979
1980	0.111B AT 12:00 MST ON APR 6	0.061B ON APR 6	0B ON MAR 1	48.2	1980
1981	0.537 AT 02:00 MST ON JUL 30	0.401 ON JUL 30 *	0 ON MAR 1	245	1981
1982	---	0.333B ON APR 11	0B ON MAR 1	412	1982
				180	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.154	0.082	0.013	---	---	---	---	---	---	1919
1920	---	---	---	---	0.009	---	---	---	---	---	---	---	---	1920
1925	---	---	---	0.143	0.004	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	0.143	0.056	0.082	0.013	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 34 00 N DRAINAGE AREA, 2 110 km²
LONG 112 30 00 W NATURAL FLOW

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	0B ON APR 30 *	---	1920
1925	---	0.759 ON APR 15 *	0 ON APR 1	---	1925
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.003	2.40	0.444	0.061	0.188	0.171	0.049	0.005	---	---	0.410	1975
1976	---	---	0.019	0.255	0.011	0.010	0.008	0	0	0	---	---	0.037	1976
1977	---	---	0.032	1.22	1.95	0.302	0.184	0.030	0.005	0.006	---	---	0.467	1977
1978	---	---	0.266	1.75	0.091	0.057	0	0.020	1.71	0.134	---	---	0.496	1978
1979	---	---	2.61	3.18	0.387	0.026	0.103	0.003	0	0.011	---	---	0.788	1979
1980	---	---	0.003	2.78	0.018	0.009	0	0.152	0.023	0.024	---	---	0.369	1980
1981	---	---	3.39	0.933	0.053	0.053	0.051	0.002	0	0.003	---	---	0.564	1981
1982	---	---	0	5.38	1.10	0.011	3.04	0.290	0.019	0.019	---	---	1.23	1982
MEAN	---	---	0.790	2.24	0.507	0.066	0.447	0.084	0.226	0.025	---	---	0.545	MEAN

LOCATION - LAT 53 53 21 N DRAINAGE AREA, 2 890 km²
LONG 112 56 57 W NATURAL FLOW

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	8.21B ON APR 22	0 ON JUN 13 *	8 690	1975
1976	---	1.48B ON APR 5	0 ON MAY 7	787	1976
1977	---	10.6 ON MAY 30	0 ON JUN 21	9 880	1977
1978	---	4.79 ON SEP 20	0 ON JUN 26	10 500	1978
1979	---	9.00B ON MAR 23	0E ON AUG 14	16 700	1979
1980	15.7B AT 00:25 MST ON APR 14	13.0 B ON APR 14	0B ON MAR 1	7 810	1980
1981	12.2 AT 10:00 MST ON MAR 18	11.4 B ON MAR 18	0 ON JUN 25	11 900	1981
1982	26.1 AT 07:10 MST ON APR 27 *	24.6 ON APR 27 *	0B ON MAR 1	26 000	1982
				11 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	6.55	5.99	3.72	14.7	1.78	0.604	0.223	0.427	---	---	---	1968
1969	---	---	0.007	26.1	16.6	1.79	0.823	0.022	2.44	2.80	---	---	---	1969
1970	---	---	4.12	14.5	7.60	2.01	0.125	0.001	0	0.006	---	---	---	1970
1971	---	---	0	8.46	4.30	15.1	21.4	2.03	0.292	0.533	---	---	---	1971
1972	---	---	4.68	21.4	23.9	5.86	0.990	0.253	0.134	3.59	---	---	---	1972
1973	---	---	0.156	27.9	11.3	2.11	0.220	0.016	0.009	0.171	---	---	---	1973
1974	---	---	0.072	34.7	39.6	4.21	0.557	0.090	0.045	0.082	---	---	---	1974
1975	---	---	0.008	6.86	6.41	1.01	0.061	0	0	0	---	---	---	1975
1976	---	---	0.001	15.0	3.43	4.40	8.97	15.2	3.55	1.18	---	---	---	1976
1977	---	---	0.272	15.1	20.5	15.3	3.63	0.904	0.310	1.27	---	---	---	1977
1978	---	---	1.14	4.65	2.68	1.07	0.273	0.043	0.050	0.171	---	---	---	1978
1979	---	0	0.531	10.6	15.3	6.25	1.55	0.097	0.007	0.001	0.002	0.001	---	1979
1980	0	0	0.013	2.43	0.472	1.11	1.38	0.217	0.985	0.797	0.570	1.22	0.764	1980
1981	0.112	0.188	4.62	9.34	11.0	7.09	0.226	0.001	0	0	0.001	0.001	2.72	1981
1982	0	0	0	5.52	5.74	0.779	2.89	14.3	1.08	0.913	0.403	0.390	2.70	1982
MEAN	0.037	0.047	1.48	13.9	11.5	5.52	2.99	2.25	0.608	0.796	0.244	0.403	2.06	MEAN

LOCATION - LAT 55 11 21 N DRAINAGE AREA, 1 610 km²
LONG 119 26 08 W NATURAL FLOW

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	51.5 AT 18:00 MST ON JUN 17	---	---	---	1968
1969	65.4 AT 03:00 MST ON APR 15	---	---	---	1969
1970	---	---	---	---	1970
1971	63.4 AT 02:00 MST ON JUL 16	---	---	---	1971
1972	59.7 E ON APR 30	---	---	---	1972
1973	62.6 AT 08:00 MST ON APR 11	---	---	---	1973
1974	104 AT 09:00 MST ON APR 25 *	---	---	---	1974
1975	---	---	---	---	1975
1976	49.8 AT 10:00 MST ON AUG 8	---	---	---	1976
1977	37.4 AT 07:15 MST ON MAY 10	---	---	---	1977
1978	7.08B AT 20:30 MST ON APR 19	---	---	---	1978
1979	46.6 AT 01:00 MST ON APR 28	45.6 ON APR 28	0B ON FEB 1 *	---	1979
1980	19.6 B AT 18:30 MST ON DEC 16	13.5B ON DEC 16	0B ON JAN 1	24 200	1980
1981	19.9 AT 19:30 MST ON APR 24	19.2 ON APR 25	0 ON AUG 9	85 800	1981
1982	55.9 AT 06:30 MST ON AUG 3	52.9 ON AUG 3 *	0B ON JAN 1	85 200	1982
				65 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0	5.50	3.72	0	0	0	0	0	0.768	1959
1960	0	0	0	0	0.002	0	3.87	2.74	1.21	0.024	1.04	1.18	0.846	1960
1961	0.628	0.785	1.07	2.81	9.41	18.5	6.31	1.43	1.13	3.01	0.041	0.025	3.77	1961
1962	0.028	0.006	0.088	0.061	11.2	18.8	6.61	2.74	0.996	4.22	3.94	2.21	4.25	1962
1963	0.013	0.031	0.048	2.77	11.8	29.3	---	---	---	0.511	1.54	1.29	---	1963
1964	0.599	0.643	1.30	3.66	2.20	3.95	0.579	1.70	2.27	5.07	1.33	0	1.94	1964
1965	0	0.002	0.008	0.085	6.08	8.10	7.13	4.52	1.77	0	0	0	2.32	1965
1966	0	0	0.016	0	1.22	6.84	4.39	0.169	0.069	0	0	0	1.06	1966
1967	0	0	0	0	0	0	5.00	2.86	0	0.036	2.60	2.01	1.06	1967
1968	1.59	1.65	2.82	2.74	16.8	15.1	18.3	5.05	0	0	0	0	5.37	1968
1969	0	0	0	0	0	3.53	5.85	8.20	16.6	1.32	0	0	2.96	1969
1970	0	0	0	0	0	12.7	17.1	13.6	0.569	0	0	0	3.70	1970
1971	0	0	0	0	0	8.03	24.8	20.5	6.87	0	0	0	5.07	1971
1972	0	0	0	0	0	1.99	18.3	1.64	12.7	11.5	4.76	0	4.25	1972
1973	0	0	0	0	26.7	34.1	21.9	14.9	3.92	1.23	1.35	0	8.72	1973
1974	0	0	0	0	0	4.41	14.6	6.23	4.65	12.0	0	0	3.53	1974
1975	0	0	0	0	0	0.935	15.0	18.4	4.60	2.18	9.19	0	4.23	1975
1976	---	---	---	0	0	19.4	27.8	2.71	4.12	4.52	0.110	---	---	1976
1977	0	0	0	5.84	46.0	40.9	10.5	17.3	21.8	8.35	0	0	12.6	1977
1978	0	0	0	2.79	8.26	7.83	9.51	7.87	6.67	0.343	0	0	3.63	1978
1979	0	0	0	0	0.441	20.3	34.3	11.7	7.73	3.94	0.272	0	6.61	1979
1980	0	0	0.314	16.4	44.0	14.9	17.6	13.4	12.4	8.67	0	0	10.7	1980
1981	0	1.60	7.02	12.8	11.8	9.38	35.4	16.1	12.6	22.6	0.600	0	10.9	1981
1982	0	0	0	0.536	27.9	12.5	21.5	23.3	6.58	2.60	0	0	8.01	1982
MEAN	0.124	0.205	0.551	2.10	9.33	12.4	14.4	8.57	5.62	3.84	1.12	0.292	4.83	MEAN

LOCATION - LAT 49 20 10 N
LONG 113 33 07 W REGULATED SINCE 1959

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	18.2 ON JUN 28	0 ON JAN 1 *	24 300	1959
1960	---	8.41 ON JUL 19	0 ON JAN 1	26 800	1960
1961	---	33.7 ON JUN 9	0 ON AUG 23	119 000	1961
1962	---	23.2 ON JUN 19	0B ON JAN 27	134 000	1962
1963	---	44.2 ON JUN 11	---	---	1963
1964	---	43.9 ON JUN 15	0B ON JAN 22	61 300	1964
1965	---	10.1 ON MAY 14	0B ON JAN 1	73 300	1965
1966	---	7.67 ON JUN 5	0 ON JAN 1	33 400	1966
1967	---	8.30 ON JUL 20	0 ON JAN 1	33 300	1967
1968	---	36.5 ON MAY 24	0 ON AUG 22	170 000	1968
1969	---	28.3 ON AUG 28	0 ON JAN 1	93 300	1969
1970	---	39.9 ON JUN 12	0 ON JAN 1	117 000	1970
1971	---	36.0 ON JUL 2	0 ON JAN 1	160 000	1971
1972	---	36.5 ON JUL 15	0 ON JAN 1	134 000	1972
1973	---	47.0 ON JUN 10	0E ON JAN 1	275 000	1973
1974	---	29.2 ON OCT 18	0E ON JAN 1	111 000	1974
1975	---	29.7 A ON NOV 6	0 ON JAN 1	133 000	1975
1976	---	47.9 ON JUL 9	---	---	1976
1977	---	49.8 ON MAY 4	0 ON JAN 1	398 000	1977
1978	---	24.0 ON MAY 3	0 ON JAN 1	114 000	1978
1979	---	42.4 ON JUN 28	0E ON JAN 1	208 000	1979
1980	---	57.4 ON MAY 22 *	0E ON JAN 1	338 000	1980
1981	---	48.8 ON JUL 21	0E ON JAN 1	344 000	1981
1982	---	40.9 ON MAY 19	0E ON JAN 1	253 000	1982
				152 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO. 05AD033

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	0.630	1.62	0.517	---	---	1947
1948	0.115	0.063	0.050	0.284	2.64	5.37	1.82	0.782	0.219	0.144	0.051	0.038	0.964	1948
1949	0.027	0.018	0.050	0.354	2.35	2.40	1.16	0.463	0.587	0.317	0.423	0.254	0.703	1949
1950	0.081	0.068	0.082	0.116	1.35	4.32	3.38	1.02	0.382	0.804	0.682	0.270	1.05	1950
1951	0.137	0.146	0.094	0.449	2.80	3.18	3.50	1.27	1.51	1.24	0.289	0.158	1.24	1951
1952	0.119	0.081	0.070	0.656	1.96	2.33	1.54	1.16	0.392	0.198	0.116	---	---	1952
1953	---	---	---	---	1.92	5.09	3.22	1.06	0.488	0.193	0.262	---	---	1953
1954	---	---	---	0.119	2.44	3.71	3.86	1.47	0.839	0.984	0.501	---	---	1954
1955	---	---	---	0.085	0.914	4.29	2.48	0.780	0.347	0.792	---	---	---	1955
MEAN	0.096	0.075	0.069	0.295	2.05	3.84	2.62	1.00	0.599	0.699	0.355	0.180	0.989	MEAN

LOCATION - LAT 48 59 20 N, LONG 113 45 50 W   DRAINAGE AREA, 25.1 km^2, NATURAL FLOW   INTERNATIONAL GAUGING STATION

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO. 05AD033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	10.9 ON JUN 16	10.1 ON JUN 17	0.020B ON NOV 26	30 500	1948
1949	4.13 AT 02:00 MST ON MAY 28	3.91 ON MAY 28	0.014E ON FEB 11 *	22 200	1949
1950	7.19 AT 01:00 MST ON JUN 21	6.80 ON JUN 21	0.057E ON JAN 24	33 100	1950
1951	6.46 AT 03:30 MST ON JUN 15	6.17 ON JUN 15	0.079 ON MAR 25	39 100	1951
1952	3.99 AT 13:30 MST ON JUN 12	3.74 ON JUN 12	0.065B ON MAR 20	---	1952
1953	11.8 AT 13:00 MST ON JUN 3 *	10.4 ON JUN 4 *	---	---	1953
1954	6.51 AT 23:30 MST ON MAY 19	5.66 ON MAY 19	---	---	1954
1955	7.67 AT 08:00 MST ON JUN 25	7.25 ON JUN 25	---	---	1955
MEAN				31 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AD032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	20.3	17.9	13.1	6.34	5.15	10.7	4.49	2.41	---	1947
1948	1.97	1.59	1.40	3.60	19.0	31.5	11.0	6.06	2.76	1.62	1.06	0.687	6.85	1948
1949	0.558	0.549	1.31	3.98	17.6	15.4	8.15	4.62	4.30	3.00	4.60	2.91	5.61	1949
1950	1.47	1.61	2.04	2.54	13.7	31.9	21.8	8.01	3.70	7.49	6.23	4.09	8.76	1950
1951	2.65	2.59	1.67	3.83	21.6	21.6	22.0	8.65	9.38	9.31	3.08	2.43	9.12	1951
1952	1.34	1.31	1.05	6.50	15.4	15.0	10.5	7.18	3.47	1.95	1.14	1.01	5.50	1952
1953	2.05	2.10	1.08	3.39	17.3	34.6	19.9	8.25	4.09	2.09	2.76	1.58	8.29	1953
1954	1.16	1.40	1.44	2.44	20.5	25.6	24.4	9.82	6.71	6.51	4.31	2.51	8.96	1954
1955	1.73	1.12	0.817	1.64	8.60	27.3	17.2	6.98	3.37	6.84	4.44	2.30	6.88	1955
1956	1.54	1.10	1.31	3.96	20.0	23.7	15.0	7.00	3.66	3.97	2.44	1.70	7.14	1956
1957	1.27	1.27	1.25	2.02	26.3	19.9	8.47	4.07	2.93	---	---	---	---	1957
1958	---	---	---	---	---	19.3	9.85	5.37	3.56	3.75	2.61	---	---	1958
1959	---	---	---	---	---	29.6	15.9	6.64	8.65	8.29	4.12	2.56	---	1959
1960	---	---	---	---	---	20.5	12.7	5.95	3.50	2.17	1.94	---	---	1960
1961	---	---	---	---	---	26.9	10.5	5.18	3.62	5.64	2.45	---	---	1961
1962	---	---	---	---	---	18.0	10.1	5.79	3.60	4.29	3.80	---	---	1962
1963	---	---	---	---	---	24.4	13.1	5.48	3.43	2.55	2.23	1.65	---	1963
1964	1.28	1.07	---	---	---	48.3	16.1	5.79	4.18	---	---	---	---	1964
MEAN	1.55	1.43	1.34	3.39	18.2	25.1	14.4	6.51	4.45	5.01	3.23	2.15	7.46	MEAN

LOCATION - LAT 48 59 50 N, LONG 113 40 50 W   DRAINAGE AREA, 192 km^2, NATURAL FLOW   INTERNATIONAL GAUGING STATION

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AD032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	32.8 ON OCT 20	---	---	1947
1948	51.3 AT 14:00 MST ON JUN 17	47.9 ON JUN 17	0.510B ON DEC 14	217 000	1948
1949	27.5 AT 14:00 MST ON MAY 28	27.4 ON MAY 28	0.340B ON FEB 12 *	177 000	1949
1950	50.1 AT 09:00 MST ON JUN 23	49.6 ON JUN 22	0.991B ON FEB 7	276 000	1950
1951	44.5 AT 15:00 MST ON JUN 24	40.2 ON JUN 25	1.27 B ON MAR 9	288 000	1951
1952	21.3 AT 01:00 MST ON OCT 3	20.5 ON MAY 21	0.708B ON MAR 26	174 000	1952
1953	69.4 AT 12:00 MST ON JUN 4	68.5 ON JUN 4	0.566E ON JAN 6	261 000	1953
1954	48.7 AT 07:30 MST ON MAY 20	48.4 ON MAY 20	0.425B ON JAN 22	283 000	1954
1955	43.6 AT 11:00 MST ON JUN 25	43.0 ON JUN 25	0.425B ON MAR 24	217 000	1955
1956	49.3 AT 06:30 MST ON MAY 22	49.0 ON MAY 22	0.566B ON MAR 7	226 000	1956
1957	37.4 AT 05:00 MST ON MAY 8	36.5 ON MAY 8	0.850B ON FEB 21	---	1957
1958	35.1 AT 00:00 MST ON JUN 10	34.0 ON JUN 10	---	---	1958
1959	44.5 AT 01:00 MST ON JUN 6	43.6 ON JUN 6	---	---	1959
1960	36.0 AT 08:00 MST ON JUN 4	35.1 ON JUN 4	---	---	1960
1961	46.2 AT 00:30 MST ON MAY 27	45.3 ON MAY 27	---	---	1961
1962	22.4 AT 06:00 MST ON JUN 19	22.0 ON JUN 19	---	---	1962
1963	37.4 AT 01:30 MST ON JUN 11	36.0 ON JUN 11	---	---	1963
1964	346 AT 19:00 MST ON JUN 8 *	232 ON JUN 8 *	---	---	1964
MEAN				235 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	4.06	2.53	---	1911
1912	2.56	1.33	1.29	5.72	18.7	20.3	16.2	8.19	5.01	4.53	3.88	2.46	7.54	1912
1913	1.87	1.51	1.49	6.42	20.7	40.5	17.9	11.9	5.49	6.27	4.08	2.25	10.1	1913
1914	2.21	1.84	1.85	7.17	22.6	24.6	15.2	8.04	6.58	10.8	7.69	3.20	9.35	1914
1915	2.05	1.60	1.43	7.42	17.2	26.5	17.2	10.7	9.46	9.20	5.55	2.76	9.28	1915
1916	1.50	5.73	4.91	7.03	16.1	43.1	32.7	13.5	9.09	4.00	3.05	1.76	11.9	1916
1917	1.55	1.02	0.821	2.50	24.1	40.4	24.2	7.93	4.69	4.08	2.54	2.79	9.76	1917
1918	4.23	1.95	2.32	7.24	18.9	27.9	11.7	8.09	5.65	4.67	2.53	1.98	8.11	1918
1919	1.65	1.81	2.42	5.20	23.7	18.9	9.89	6.22	3.14	2.29	1.86	2.01	6.62	1919
1920	1.73	2.44	1.43	2.28	17.5	35.1	26.7	9.52	6.76	5.58	2.95	1.58	9.47	1920
1921	2.15	2.16	3.25	8.15	25.9	35.8	17.7	7.87	5.09	5.37	4.18	4.13	10.2	1921
1922	1.86	1.24	1.49	3.09	24.9	36.1	18.1	7.53	4.31	3.67	2.75	1.93	8.95	1922
1923	1.74	1.54	1.64	4.65	21.0	39.8	16.9	9.05	4.66	6.05	2.78	2.04	9.34	1923
1924	1.39	2.65	1.51	3.06	21.8	31.0	15.9	9.52	4.69	4.15	3.42	3.19	8.53	1924
1925	2.30	2.42	2.64	10.9	33.9	31.3	16.6	8.25	7.38	4.76	2.98	2.59	10.5	1925
1926	1.66	1.52	1.58	8.48	10.2	10.7	7.94	4.82	10.0	12.9	4.70	3.23	6.49	1926
1927	1.99	2.06	1.69	7.03	24.1	55.5	28.6	14.7	14.6	10.1	5.58	3.67	14.2	1927
1928	2.46	2.08	3.50	5.34	34.2	32.3	25.4	9.29	5.53	9.38	4.24	1.77	11.3	1928
1929	1.56	1.44	1.66	3.52	19.5	25.3	14.0	5.67	3.28	3.48	2.09	2.12	7.00	1929
1930	1.51	2.36	2.13	15.0	24.3	24.5	13.3	6.26	4.21	3.01	2.11	1.20	8.34	1930
1931	0.988	1.42	1.34	2.91	19.5	14.9	7.43	5.04	3.69	2.73	3.57	1.70	5.46	1931
1932	1.11	5.64	4.22	5.12	25.8	29.0	13.2	6.35	2.78	2.78	3.01	2.63	8.48	1932
1933	1.83	1.85	1.83	3.95	20.5	41.1	18.9	7.42	4.56	8.42	7.01	3.28	10.0	1933
1934	5.43	3.46	3.28	20.2	31.3	31.5	12.8	5.64	3.24	4.40	12.4	2.92	11.4	1934
1935	3.16	5.04	2.51	3.54	18.8	23.9	14.1	6.23	3.90	2.98	3.29	1.29	7.39	1935
1936	1.19	0.899	1.24	7.63	23.4	18.3	7.36	4.41	2.83	2.21	1.17	0.768	5.96	1936
1937	0.790	0.905	0.891	3.08	17.9	38.9	12.9	4.98	2.93	4.23	4.58	2.04	7.85	1937
1938	1.71	1.54	1.52	6.96	28.6	32.7	16.6	4.95	3.26	2.92	2.01	1.51	8.75	1938
1939	1.16	0.991	2.23	8.96	19.7	15.4	9.74	3.98	2.59	2.71	2.33	2.39	6.04	1939
1940	1.51	1.27	1.21	3.95	19.5	16.3	8.15	3.89	4.40	3.57	1.84	1.67	5.62	1940
1941	1.52	0.883	0.969	5.44	12.6	12.8	8.75	3.98	5.07	6.46	3.44	3.02	5.87	1941
1942	2.84	1.76	1.42	8.14	21.3	30.3	16.7	7.69	6.67	4.72	3.08	2.90	8.99	1942
1943	2.21	2.15	1.97	12.5	19.5	32.7	24.9	8.00	3.23	2.84	1.64	1.35	9.44	1943
1944	1.17	1.16	1.07	2.23	13.1	16.1	7.59	4.73	3.26	2.62	1.82	1.29	4.68	1944
1945	1.56	1.92	1.43	2.26	21.8	33.7	15.0	4.52	5.36	4.56	3.69	2.18	8.18	1945
1946	1.30	1.31	2.47	11.7	25.9	27.5	15.1	5.29	4.07	4.53	2.98	2.37	8.74	1946
1947	1.82	1.89	2.54	9.06	28.1	25.8	16.1	6.38	5.79	13.8	4.48	2.79	9.94	1947
1948	2.10	1.86	1.71	5.48	30.5	50.3	17.2	8.67	3.24	2.17	1.37	0.981	10.5	1948
1949	0.706	0.730	1.54	5.14	23.2	21.0	10.6	5.60	5.47	3.86	3.94	3.34	7.13	1949
1950	1.71	1.79	2.35	3.56	19.2	42.4	27.3	9.80	3.21	7.22	6.90	4.64	10.9	1950
1951	2.97	3.01	1.99	6.79	31.2	32.4	32.3	11.5	12.9	12.5	4.32	3.33	13.0	1951
1952	2.06	1.75	1.52	9.49	20.8	19.2	13.3	9.26	3.55	1.99	1.49	1.84	7.20	1952
1953	2.34	2.84	1.69	5.71	26.1	52.5	26.9	9.14	4.23	1.89	3.11	2.08	11.6	1953
1954	1.33	1.87	2.08	3.50	29.8	34.5	30.0	12.0	8.38	8.92	5.44	3.11	11.8	1954
1955	2.02	1.30	1.33	2.59	14.5	40.0	23.2	8.28	3.25	7.73	5.07	2.68	9.36	1955
1956	1.88	1.38	1.64	5.50	26.9	29.7	19.7	7.85	3.62	5.10	3.07	2.61	9.11	1956
1957	1.67	1.48	1.54	2.98	36.8	25.6	10.4	3.47	2.36	4.09	4.38	2.49	8.15	1957
1958	1.71	1.98	2.50	3.93	28.1	27.3	13.2	6.07	4.13	3.46	3.91	3.22	8.32	1958
1959	3.15	1.85	1.53	6.47	20.2	37.4	18.2	7.17	8.21	10.1	4.95	2.99	10.2	1959
1960	2.15	1.70	2.73	7.12	15.8	26.6	12.8	6.30	3.33	1.29	2.06	1.52	6.95	1960
1961	1.40	1.83	1.81	3.46	21.8	31.2	10.7	5.07	3.53	7.02	3.34	1.87	7.77	1961
1962	1.76	2.34	2.12	9.22	18.2	22.7	9.96	6.15	3.13	5.34	4.33	3.53	7.81	1962
1963	1.88	4.24	2.15	3.30	15.8	32.0	16.1	4.44	2.27	2.30	2.00	2.03	7.38	1963
1964	1.59	1.36	0.975	2.64	21.8	64.9	20.0	5.32	3.06	6.21	2.40	1.85	11.0	1964
1965	1.48	1.92	1.55	5.66	21.6	43.1	22.6	7.57	6.77	7.33	3.85	2.28	10.5	1965
1966	1.85	1.30	2.35	7.50	23.7	32.5	16.4	7.13	3.13	3.57	3.78	2.72	8.86	1966
1967	1.92	2.11	1.60	2.39	24.5	44.0	23.8	5.79	2.85	1.59	4.05	2.31	9.76	1967
1968	2.53	2.60	3.09	2.97	18.7	28.5	15.7	7.65	11.7	8.30	4.77	2.36	9.07	1968
1969	1.61	1.66	1.61	8.98	21.0	30.7	15.6	4.78	2.64	4.07	3.03	1.86	8.15	1969
1970	1.34	1.54	1.31	1.98	22.8	46.6	13.2	3.82	2.47	2.83	2.13	1.75	8.50	1970
1971	1.54	2.03	1.65	5.60	28.3	32.9	20.0	8.62	2.65	4.15	3.36	1.89	9.44	1971
1972	1.37	1.39	6.03	6.20	28.5	43.0	22.6	12.6	5.96	3.81	2.71	1.44	11.3	1972
1973	2.07	1.75	1.50	3.01	17.5	20.0	8.26	3.31	2.19	2.19	5.57	2.69	5.85	1973
1974	3.21	1.90	2.13	6.49	20.2	44.0	22.9	7.77	4.31	2.00	2.20	1.93	9.93	1974
1975	1.63	1.14	1.19	1.74	19.4	69.3	36.2	10.6	5.77	5.75	5.87	8.17	13.9	1975
1976	2.92	2.21	2.14	6.41	27.2	20.6	19.3	11.0	4.29	1.70	2.14	1.97	8.53	1976
1977	1.71	1.22	0.943	4.47	9.46	9.63	3.98	6.48	5.66	2.61	2.54	2.27	4.26	1977
1978	1.56	1.37	1.74	5.39	21.0	29.8	20.9	9.73	9.50	3.84	3.73	2.45	9.29	1978
1979	1.27	1.49	2.19	3.49	25.2	23.4	10.4	5.35	2.57	2.17	1.46	1.63	6.75	1979
1980	1.68	1.48	1.21	9.71	28.2	25.4	10.4	5.97	6.20	3.79	5.13	4.35	8.63	1980
1981	3.84	3.14	2.87	7.30	31.1	24.5	16.7	6.49	2.29	1.69	2.12	2.04	8.71	1981
1982	1.10	1.35	1.32	1.97	15.4	33.0	17.8	5.39	2.73	3.48	2.82	1.80	7.36	1982
MEAN	1.92	1.93	1.96	5.86	22.4	31.4	16.9	7.28	4.92	4.88	3.60	2.43	8.82	MEAN

LOCATION - LAT 49 06 00 N, LONG 113 41 48 W — DRAINAGE AREA, 319 km², REGULATED SINCE 1935 — INTERNATIONAL GAUGING STATION

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	33.4 ON MAY 17	0.906B ON FEB 29	238 000	1912
1913	---	58.6 ON MAY 29	0.963B ON FEB 28	317 000	1913
1914	---	38.8 ON JUN 14	1.42 B ON JAN 30	295 000	1914
1915	---	38.8 ON JUN 3	0.821B ON MAR 9	293 000	1915
1916	---	77.3 ON JUN 21	0.963B ON FEB 5	376 000	1916
1917	---	87.8E ON JUN 11	0.708B ON JAN 30	308 000	1917
1918	---	46.4 ON JUN 11	1.05 B ON DEC 29	256 000	1918
1919	---	54.7 ON MAY 29	0.623B ON JAN 11	209 000	1919
1920	---	54.7 ON JUN 16	0.793B ON JAN 15	300 000	1920
1921	---	49.0 ON JUN 8	1.08 B ON FEB 20	321 000	1921
1922	---	57.8 ON JUN 6	0.665B ON DEC 2	282 000	1922
1923	---	63.1 ON JUN 2	1.16 B ON JAN 3	294 000	1923
1924	---	42.5 ON JUN 16	1.26 B ON JAN 22	270 000	1924
1925	---	57.5 ON MAY 23	1.53 B ON DEC 30	332 000	1925
1926	---	33.7 ON OCT 17	1.08 B ON MAR 1	205 000	1926
1927	---	75.6 ON JUN 11	1.29 B ON MAR 25	447 000	1927
1928	---	57.8 ON MAY 25	1.42 B ON FEB 22	358 000	1928
1929	---	39.6 ON JUN 3	0.951B ON FEB 21	221 000	1929
1930	---	38.5 ON MAY 22	0.648B ON JAN 30	263 000	1930
1931	---	36.8 ON MAY 16	0.510B ON JAN 13	172 000	1931
1932	---	51.0 ON MAY 22	0.708B ON JAN 11	268 000	1932
1933	---	54.4 ON JUN 17	0.878B ON FEB 8	316 000	1933
1934	---	79.9 ON JUN 7	1.64 B ON MAR 7	359 000	1934
1935	---	46.8 ON MAY 24	0.623B ON DEC 19	233 000	1935
1936	---	36.8 ON MAY 15	0.425B ON NOV 25	189 000	1936
1937	---	118 ON JUN 13	0.623B ON FEB 1	248 000	1937
1938	---	58.6 ON MAY 26	0.878B ON APR 1	276 000	1938
1939	---	28.6 ON APR 30	0.651B ON MAR 3	191 000	1939
1940	---	30.6 ON MAY 12	0.906B ON FEB 23	178 000	1940
1941	---	26.5 ON JUN 29	0.396B ON FEB 8	172 000	1941
1942	---	71.1 ON JUN 6	1.27 B ON MAR 4	283 000	1942
1943	---	54.1 ON JUN 18	0.708B ON DEC 20	298 000	1943
1944	29.7 AT 16:00 MST ON JUN 27	26.6 ON MAY 18	0.425B ON JAN 25	148 000	1944
1945	---	47.6 ON JUN 4	0.991B ON MAR 11	258 000	1945
1946	---	43.6 ON MAY 28	0.736B ON JAN 20	276 000	1946
1947	---	40.2 ON MAY 3	1.47 B ON JAN 13	313 000	1947
1948	91.2 AT 15:15 MST ON JUN 17	88.1 ON JUN 17	0.680B ON NOV 27	330 000	1948
1949	37.7 AT 07:00 MST ON MAY 28	37.1 ON MAY 28	0.425B ON FEB 13	225 000	1949
1950	62.6 AT 10:00 MST ON JUN 22	61.2 ON JUN 22	1.25 B ON FEB 7	343 000	1950
1951	85.5 AT 13:00 MST ON JUN 24	69.1 ON JUN 24	1.64 B ON MAR 8	410 000	1951
1952	28.9 AT 17:00 MST ON JUN 12	27.0 ON MAY 20	0.934B ON DEC 19	228 000	1952
1953	127 AT 04:00 MST ON JUN 4	120 ON JUN 4	0.566B ON JAN 6	365 000	1953
1954	69.9 AT 05:00 MST ON MAY 20	60.5 ON MAY 20	0.481B ON JAN 23	372 000	1954
1955	60.6 AT 10:00 MST ON JUN 25	58.9 ON JUN 25	0.793B ON MAR 1	295 000	1955
1956	61.7 AT 05:00 MST ON MAY 22	60.9 ON MAY 22	0.765B ON MAR 8	288 000	1956
1957	56.6 AT 04:00 MST ON MAY 14	55.2 ON MAY 14	1.01 ON AUG 19	257 000	1957
1958	53.8 AT 08:50 MST ON JUN 10	51.3 ON JUN 10	0.708B ON JAN 26	263 000	1958
1959	55.5 AT 03:00 MST ON JUN 6	54.1 ON JUN 6	1.13 B ON FEB 26	322 000	1959
1960	43.9 AT 06:00 MST ON JUN 4	43.6 ON JUN 4	0.793B ON DEC 27	220 000	1960
1961	55.2 AT 21:00 MST ON MAY 27	54.7 ON MAY 27	0.878B ON JAN 29	245 000	1961
1962	32.0 AT 12:00 MST ON JUN 14	31.6 ON JUN 14	1.32 B ON MAR 3	234 000	1962
1963	51.3 AT 13:00 MST ON JUN 10	47.9 ON JUN 10	0.224 ON NOV 6 *	233 000	1963
1964	464 AT 19:00 MST ON JUN 8 *	303 ON JUN 8	0.742B ON MAR 22	347 000	1964
1965	71.9 AT 19:00 MST ON JUN 19	69.1 ON JUN 19	1.18 B ON JAN 3	331 000	1965
1966	53.5 AT 18:00 MST ON JUN 4	50.1 ON JUN 4	1.05 B ON FEB 11	279 000	1966
1967	66.0 AT 23:30 MST ON MAY 23	62.9 ON MAY 23	0.447 ON OCT 9	308 000	1967
1968	43.9 AT 02:00 MST ON JUN 4	41.9 ON JUN 4	0.934B ON JAN 6	287 000	1968
1969	69.4 AT 09:10 MST ON JUN 26	64.3 ON JUN 26	1.17 B ON DEC 6	257 000	1969
1970	102 AT 15:20 MST ON JUN 13	85.2 ON JUN 14	0.821B ON JAN 16	268 000	1970
1971	54.1 AT 07:00 MST ON MAY 28	53.5 ON MAY 28	1.13 B ON MAR 4	298 000	1971
1972	76.7 AT 06:00 MST ON JUN 2	73.6 ON JUN 2	0.943B ON DEC 12	359 000	1972
1973	45.0 AT 16:30 MST ON JUN 9	43.6 ON MAY 19	1.22 ON OCT 8	184 000	1973
1974	71.1 AT 03:30 MST ON JUN 19	69.9 ON JUN 18	1.26 ON NOV 5	313 000	1974
1975	416 AT 01:50 MST ON JUN 20	331 ON JUN 20 *	0.943B ON FEB 14	440 000	1975
1976	49.0 AT 12:00 MST ON MAY 11	47.9 ON MAY 11	0.586 ON OCT 16	270 000	1976
1977	18.2 AT 06:50 MST ON JUN 9	17.8 ON JUN 9	0.306B ON MAR 4	134 000	1977
1978	48.1 AT 16:55 MST ON JUN 6	46.7 ON JUN 6	0.878B ON MAR 3	293 000	1978
1979	56.6 AT 10:30 MST ON MAY 27	55.1 ON MAY 27	0.821B ON NOV 19	213 000	1979
1980	74.7 AT 14:20 MST ON MAY 26	70.5 ON MAY 26	0.887B ON FEB 14	273 000	1980
1981	65.6 AT 21:50 MST ON MAY 22	62.9 ON MAY 22	0.781 ON OCT 18	275 000	1981
1982	45.1 AT 09:25 MST ON JUN 16	44.6 ON JUN 16	0.740B ON APR 2	232 000	1982
				278 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	71.4	32.2	17.2	7.58	5.36	---	---	---	1909
1910	---	---	---	22.3	24.1	19.3	12.4	6.24	11.6	14.0	---	---	---	1910
1911	1.72	2.50	---	8.44	29.5	41.2	18.1	15.1	27.0	7.52	---	---	---	1911
1912	2.20	2.14	---	---	24.4	24.1	19.1	9.10	4.84	5.44	5.54	2.65	---	1912
1913	1.60	1.90	2.28	12.1	24.6	41.9	19.7	12.8	5.91	6.23	4.42	3.62	11.4	1913
1914	2.63	1.41	2.77	10.1	23.9	25.2	16.2	9.08	7.24	12.7	7.10	2.21	10.1	1914
1915	1.89	1.61	2.83	7.78	19.2	39.7	24.6	16.4	12.8	12.4	6.90	2.30	12.4	1915
1916	1.67	10.3	10.1	9.55	20.3	50.1	35.5	13.3	9.14	4.68	3.73	2.43	14.2	1916
1917	1.63	1.14	0.885	10.5	28.2	44.8	24.6	8.03	4.43	3.81	2.74	2.66	11.2	1917
1918	4.70	2.20	3.44	8.06	19.4	28.8	10.9	7.36	5.29	4.47	2.41	1.45	8.22	1918
1919	1.82	1.33	2.70	5.69	22.0	20.2	9.59	5.27	3.12	1.92	1.80	1.67	6.45	1919
1920	1.67	2.98	4.18	8.00	23.3	34.9	27.7	9.42	6.58	5.90	3.17	1.77	10.8	1920
1921	2.11	2.53	4.75	9.63	28.6	38.0	18.1	7.76	4.71	5.37	4.00	4.05	10.8	1921
1922	1.90	1.28	1.58	5.89	26.0	36.3	18.1	7.44	4.18	3.88	3.10	1.95	9.30	1922
1923	2.01	1.72	1.97	5.34	21.4	42.7	17.6	8.59	4.19	6.03	2.49	1.75	9.67	1923
1924	1.21	3.11	1.93	4.23	20.7	34.4	14.8	10.4	4.05	2.75	---	---	---	1924
1925	---	---	6.91	15.7	33.4	31.7	11.6	6.22	6.41	5.63	---	---	---	1925
1926	---	---	1.49	8.02	9.82	9.38	5.24	3.05	11.3	13.1	---	---	---	1926
1927	---	---	2.63	10.6	41.2	65.7	30.4	16.4	19.0	13.6	---	---	---	1927
1928	---	---	10.7	7.75	33.7	35.4	36.4	9.41	5.54	8.88	---	---	---	1928
1929	---	---	4.67	5.28	24.3	30.7	13.3	3.66	3.29	3.45	---	---	---	1929
1930	---	---	3.10	14.8	28.0	25.5	10.8	4.12	3.80	3.00	---	---	---	1930
1931	---	---	1.56	2.71	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	1.66	2.06	---	---	---	1935
1936	---	---	---	---	19.9	11.9	---	---	---	---	---	---	---	1936
1948	---	---	---	---	---	---	---	---	---	1.50	1.13	1.07	---	1948
1949	0.925	0.934	2.64	4.49	22.8	21.3	7.49	2.35	4.40	3.32	4.13	3.49	6.55	1949
1950	2.03	1.89	4.18	9.63	20.2	40.9	26.5	9.17	2.57	6.58	7.48	4.53	11.3	1950
1951	2.70	3.59	8.40	14.5	45.6	50.0	39.8	13.2	19.2	16.4	6.81	4.41	18.8	1951
1952	2.66	3.49	7.93	21.4	23.2	19.2	13.3	9.73	3.72	1.35	0.944	1.97	9.08	1952
1953	3.00	3.12	5.17	11.2	28.1	86.5	29.5	9.45	3.98	1.58	4.07	2.11	15.6	1953
1954	1.94	2.89	2.45	7.63	33.1	34.2	29.8	11.5	10.0	9.26	5.87	3.20	12.7	1954
1955	2.16	1.54	2.82	12.6	26.1	39.0	26.5	6.79	2.39	7.92	4.98	2.86	11.4	1955
1956	2.42	1.86	5.03	7.52	29.1	29.8	22.4	6.96	3.26	4.95	3.86	2.12	9.96	1956
1957	1.66	2.22	5.30	4.20	36.8	25.1	7.24	1.60	0.837	4.01	5.57	1.98	8.08	1957
1958	1.99	2.15	4.29	8.12	29.2	28.6	14.4	5.20	3.70	2.21	4.13	3.60	8.99	1958
1959	3.85	2.33	4.08	8.49	22.9	32.9	13.0	5.38	7.94	9.99	6.37	4.19	10.1	1959
1960	2.19	2.35	7.27	8.64	17.5	23.3	6.11	2.21	0.977	0.438	0.882	0.961	6.07	1960
1961	0.978	1.18	1.57	1.40	14.3	11.9	2.31	1.64	1.86	3.81	4.23	2.25	3.96	1961
1962	2.59	3.23	3.10	10.6	6.80	2.66	1.17	1.05	1.13	0.760	1.03	1.07	2.92	1962
1963	0.943	4.93	2.15	0.770	1.02	2.14	4.71	1.21	0.778	0.444	0.704	0.850	1.70	1963
1964	0.582	0.757	0.960	1.17	23.1	61.6	19.4	0.942	0.864	0.910	0.599	1.29	9.32	1964
1965	2.10	2.87	2.23	9.05	14.0	36.9	15.0	2.18	5.28	7.14	4.70	3.87	8.76	1965
1966	3.42	2.92	4.33	9.58	20.8	28.0	12.0	6.34	2.96	3.62	4.37	3.48	8.50	1966
1967	4.63	3.10	5.78	5.03	35.7	51.2	17.2	1.15	1.62	0.748	1.23	0.877	10.7	1967
1968	0.876	1.91	2.00	2.03	3.91	19.2	2.45	4.67	14.1	10.5	6.21	3.80	5.95	1968
1969	3.73	3.21	5.82	13.0	22.9	31.2	13.0	1.93	1.75	3.71	4.11	2.71	8.92	1969
1970	1.72	1.98	1.90	4.10	26.8	46.8	7.60	1.66	2.06	3.43	2.75	1.89	8.55	1970
1971	1.94	5.68	2.45	6.58	27.1	24.2	7.12	5.06	2.58	4.12	3.71	1.19	7.64	1971
1972	1.66	2.30	17.8	9.06	27.8	37.2	17.6	9.89	3.25	2.45	2.98	2.60	11.3	1972
1973	3.42	2.76	2.64	4.04	7.84	6.33	2.00	0.987	0.632	0.460	4.93	3.09	3.26	1973
1974	2.95	3.10	4.62	8.33	20.9	37.0	6.38	4.45	3.46	3.30	2.50	2.25	8.26	1974
1975	1.94	1.73	1.83	11.1	26.2	68.6	19.1	4.74	12.7	14.2	3.95	8.03	14.5	1975
1976	6.23	3.21	4.15	8.43	28.2	11.0	5.75	10.7	1.66	2.08	2.63	1.66	7.17	1976
1977	1.70	2.53	2.37	3.95	2.56	2.53	1.82	2.21	1.64	1.97	2.32	2.23	2.31	1977
1978	1.72	1.68	2.76	3.93	22.3	22.7	14.2	3.39	3.42	3.49	3.52	2.47	7.16	1978
1979	1.98	1.82	6.21	7.49	26.6	11.6	2.87	2.19	1.75	1.44	1.72	1.84	5.66	1979
1980	1.19	2.48	3.52	2.72	18.9	24.4	1.93	2.45	5.73	5.19	5.04	5.37	6.57	1980
1981	4.88	3.89	2.32	4.03	41.9	35.2	8.65	5.72	1.95	1.87	2.34	1.97	9.59	1981
1982	1.13	1.75	2.86	5.33	9.64	31.5	13.3	3.78	5.08	5.50	2.79	2.28	7.07	1982
MEAN	2.26	2.57	4.03	8.05	23.4	32.2	15.3	6.58	5.49	5.21	3.66	2.60	8.95	MEAN

LOCATION - LAT 49 28 40 N DRAINAGE AREA, 1 210 km^2
LONG 113 18 10 W REGULATED SINCE 1935

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	1.13 ON JAN 1	---	1911
1912	---	---	1.47 ON FEB 28	---	1912
1913	---	84.1 ON MAY 29	1.25 B ON JAN 19	361 000	1913
1914	---	37.9 ON JUN 4	0.821B ON FEB 6	318 000	1914
1915	---	76.5 ON JUN 26	1.27 B ON DEC 27	391 000	1915
1916	---	93.2 ON JUN 28	1.25 B ON JAN 24	450 000	1916
1917	---	85.8 ON JUN 12	0.255B ON MAR 17	352 000	1917
1918	---	51.8 ON JUN 13	0.765B ON NOV 24	259 000	1918
1919	---	43.9 ON MAY 29	0.419B ON JAN 4	203 000	1919
1920	---	54.4 ON JUN 16	0.595B ON DEC 8	342 000	1920
1921	---	53.2 ON MAY 26	1.13 B ON FEB 18	342 000	1921
1922	---	60.3 ON JUN 6	0.906B ON DEC 1	293 000	1922
1923	76.7 ON JUN 2	69.7 ON JUN 2	1.10 B ON DEC 31	305 000	1923
1924	---	56.6 ON JUN 8	---	---	1924
1925	57.2 ON MAY 23	55.5 ON MAY 22	---	---	1925
1926	---	34.8 ON OCT 18	---	---	1926
1927	---	124 ON MAY 30	---	---	1927
1928	---	105 ON JUL 2	---	---	1928
1929	---	60.9 ON JUN 4	---	---	1929
1930	---	46.7 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1948	---	---	---	---	1948
1949	---	36.5 ON MAY 29	0.793B ON FEB 4	206 000	1949
1950	64.3 AT 12:00 MST ON JUN 22	62.0 ON JUN 23	1.05 ON SEP 29	358 000	1950
1951	272 AT 08:00 MST ON JUN 25	223 ON JUN 25	1.78 B ON MAR 11	593 000	1951
1952	59.5 AT 01:00 MST ON APR 2	51.0 ON APR 1	0.396B ON NOV 16	287 000	1952
1953	303 AT 03:00 MST ON JUN 9	273 ON JUN 9	0.637A ON NOV 1	493 000	1953
1954	70.2 AT 20:00 MST ON MAY 26	69.7 ON MAY 21	0.538B ON DEC 30	401 000	1954
1955	142 AT 09:00 MST ON MAY 19	112 ON MAY 19	0.821B ON MAR 5	358 000	1955
1956	65.1 AT 20:00 MST ON MAY 22	64.3 ON MAY 22	0.934B ON DEC 25	315 000	1956
1957	58.9 AT 10:00 MST ON MAY 15	57.2 ON MAY 15	0.476A ON SEP 8	255 000	1957
1958	55.5 AT 23:00 MST ON JUN 10	51.0 ON JUN 11	0.453B ON JAN 27	284 000	1958
1959	59.7 AT 19:00 MST ON JUN 16	56.6 ON JUN 7	1.30 B ON MAR 11	320 000	1959
1960	95.7 B AT 09:00 MST ON MAR 19	42.2 ON JUN 4	0.170B ON NOV 5 *	192 000	1960
1961	58.3 AT 13:00 MST ON MAY 31	51.8 ON MAY 31	0.255 ON APR 21	125 000	1961
1962	---	22.0 ON APR 26	0.320 ON DEC 10	92 100	1962
1963	16.7 AT 16:00 MST ON JUL 7	16.2 ON JUL 8	0.181B ON JAN 12	53 600	1963
1964	331 AT 08:00 MST ON JUN 9	292 ON JUN 9 *	0.263B ON MAR 2	295 000	1964
1965	69.4 AT 02:00 MST ON JUN 18	67.1 ON JUN 20	0.623B ON DEC 25	277 000	1965
1966	---	77.9 ON JUN 5	0.623B ON MAR 22	268 000	1966
1967	77.6 AT 16:30 MST ON MAY 24	75.3 ON MAY 24	0.436B ON DEC 7	338 000	1967
1968	35.1 AT 16:00 MST ON JUN 4	34.5 ON JUN 4	0.416B ON JAN 27	188 000	1968
1969	88.6 AT 02:30 MST ON JUN 27	80.1 ON JUN 27	0.898 ON SEP 10	281 000	1969
1970	137 AT 12:10 MST ON JUN 18	124 ON JUN 18	0.708 ON JUL 28	269 000	1970
1971	45.0 AT 03:00 MST ON MAY 29	44.5 ON MAY 29	0.719B ON DEC 30	241 000	1971
1972	65.4 AT 21:15 MST ON JUN 2	63.7 ON JUN 2	0.629B ON JAN 5	356 000	1972
1973	25.8 AT 22:10 MST ON MAY 19	24.9 ON MAY 20	0.212 ON OCT 5	103 000	1973
1974	63.1 AT 20:00 MST ON JUN 18	60.9 ON JUN 18	0.920 ON AUG 6	260 000	1974
1975	394 AT 19:30 MST ON JUN 20 *	267 ON JUN 21	1.44 B ON APR 1	458 000	1975
1976	48.4 AT 01:40 MST ON MAY 12	47.0 ON MAY 12	0.912B ON DEC 29	227 000	1976
1977	5.52 AT 11:30 MST ON APR 7	5.15 ON APR 8	0.745B ON NOV 21	72 900	1977
1978	40.8 AT 08:30 MST ON JUN 7	39.9 ON JUN 7	1.08 B ON JAN 31	226 000	1978
1979	56.8 AT 12:05 MST ON MAY 28	55.8 ON MAY 28	1.00 B ON DEC 29	178 000	1979
1980	119 AT 09:50 MST ON MAY 27	103 ON MAY 27	0.403B ON MAR 31	208 000	1980
1981	153 AT 18:40 MST ON MAY 22	115 ON MAY 22	0.900B ON DEC 31	302 000	1981
1982	46.9 AT 09:30 MST ON JUN 15	46.2 ON JUN 15	0.880B ON JAN 2	223 000	1982
MEAN				283 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07MB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	---	---	0.018	0	---	1967
1968	0	0	0	0.206	0.480	0.171	0.175	0.072	0.101	0.057	0.019	0.001	0.107	1968
1969	---	---	---	0.215	0.109	0.036	0.015	0.024	0.022	0.014	0.003	---	---	1969
1970	---	---	---	---	0.123	0.038	0.019	0.035	---	0.029	---	---	---	1970
1971	0	0	0	0.254	0.121	0.028	0.012	0.008	0.012	0.008	0.002	0.001	0.037	1971
1972	0	0	0	0.128	0.357	0.075	0.035	0.020	0.035	0.020	0.001	0	0.056	1972
1973	0	0	0	0.187	0.188	0.070	0.374	0.218	0.179	0.149	0.026	0.010	0.118	1973
1974	0.002	0	0	0.540	0.356	0.198	0.203	0.100	0.082	0.067	0.023	0.006	0.132	1974
1975	0.001	0	0	0.221	0.153	0.076	0.012	0.058	0.091	0.072	0.015	0.001	0.058	1975
1976	0	0	0	0.500	0.088	0.038	0.147	0.088	0.061	0.049	0.009	0	0.081	1976
1977	0	0	0	0.284	0.089	0.447	0.242	0.123	0.128	0.063	0.011	0	0.112	1977
1978	0	0	0	0.111	0.201	0.051	0.017	0.008	0.022	0.028	0.009	0	0.037	1978
1979	0	0	0	0.007	0.287	0.027	0.013	0.012	0.010	0.036	0.026	0.002	0.036	1979
1980	0	0	0	0.185	0.021	0.017	0.048	0.018	0.015	0.009	0.006	0	0.023	1980
1981	0	0	0	0.175	0.128	0.051	0.019	0.007	0.010	0.018	0.007	0.004	0.034	1981
1982	0	0	0	0.079	0.095	0.017	0.006	0.008	0.018	0.018	0.001	0	0.020	1982
MEAN	0	0	0	0.218	0.184	0.089	0.089	0.053	0.056	0.042	0.012	0.002	0.065	MEAN

LOCATION - LAT 59 48 50 N   LONG 111 57 45 W   DRAINAGE AREA, 65.0 km^2 NATURAL FLOW

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	2.29 AT 21:45 MST ON MAY 4 *	1.47 ON MAY 4	0 ON JAN 1 *	3 380	1968
1969	---	0.416A ON APR 14	0 ON APR 1	---	1969
1970	1.03 AT 23:10 MST ON APR 25	0.878 ON APR 26	---	---	1970
1971	1.24A AT 19:50 MST ON APR 20	1.20 A ON APR 20	0B ON JAN 1	1 170	1971
1972	1.03A ON MAY 3	1.03 A ON MAY 3	0 ON JAN 1	1 770	1972
1973	1.14 AT 12:00 MST ON JUL 9	1.01 ON JUL 9	0 ON JAN 1	3 710	1973
1974	---	2.00 ON APR 23 *	0E ON JAN 23	4 150	1974
1975	---	0.561A ON APR 24	0E ON JAN 17	1 830	1975
1976	---	1.25 B ON APR 16	0B ON JAN 1	2 580	1976
1977	---	1.47 E ON JUN 10	0B ON JAN 1	3 530	1977
1978	---	0.813E ON MAY 1	0B ON JAN 1	1 180	1978
1979	---	1.05 E ON MAY 11	0B ON JAN 1	1 120	1979
1980	---	0.600 ON APR 15	0B ON JAN 1	732	1980
1981	---	0.941A ON APR 28	0B ON JAN 1	1 080	1981
1982	---	0.238 ON APR 27	0B ON JAN 1	640	1982
MEAN				2 070	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	0	0	0	0	0	0	---	---	---	1922
1936	---	---	0	0.857	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0.857	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 54 32 N DRAINAGE AREA, 876 km^2
LONG 111 33 01 W NATURAL FLOW

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON MAR 23 *	---	1922
1936	---	11.3E ON APR 19 *	0B ON MAR 1	---	1936
MEAN				---	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK AT FORSTER'S RANCH - STATION NO. 05CH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	1.99	0.339	0.142	---	---	---	---	1911
1912	---	---	---	---	0.381	0.832	0.878	0.694	0.137	0.069	---	---	---	1912
MEAN	---	---	---	---	0.381	0.832	1.43	0.517	0.140	0.069	---	---	---	MEAN

LOCATION - LAT 50 58 00 N DRAINAGE AREA, 2 460 km^2
LONG 111 45 00 W NATURAL FLOW

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	0	0	---	---	---	1981
1982	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	0.002	1982
MEAN	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	0.002	MEAN

LOCATION - LAT 51 05 45 N DRAINAGE AREA, 2 090 km^2
LONG 111 40 53 W REGULATED

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0A ON JUN 24 *	---	1981
1982	---	0.019B ON APR 13 *	0B ON MAR 1	37.3	1982
MEAN				37.3	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.014	0	0	---	---	---	1967
1969	---	---	0	11.8	0.374	0.002	0	0	0	0	---	---	1.49	1969
1970	---	---	0	6.80	0.215	0.039	0.028	0.008	0.013	0	---	---	0.870	1970
1971	---	---	0	11.9	0.709	0.041	0.022	0.014	0	0	---	---	1.56	1971
1972	---	---	0	0.157	0.069	0.167	0.051	0.044	0	0	---	---	0.060	1972
1973	---	---	0	0.283	0.230	1.83	0.285	0.105	0.128	0.102	---	---	0.366	1973
1974	---	---	0.014	16.2	5.83	0.432	0.155	0.007	0.058	0.066	---	---	2.81	1974
1975	---	---	0	1.25	4.63	0.248	0.110	0.083	0.073	0.010	---	---	0.803	1975
1976	---	---	0.047	0.255	0.179	0.140	0.079	---	---	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.066	0.095	0.001	0.001	0.004	0.001	0.006	0	---	---	0.022	1978
1979	---	---	0.738	0.183	0.103	0.010	0.007	0.022	0.026	0	---	---	0.137	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.031	0	0	0	0	0	0	---	---	0.004	1982
MEAN	---	---	0.062	3.50	0.881	0.208	0.053	0.021	0.022	0.012	---	---	0.625	MEAN

LOCATION - LAT 51 24 56 N DRAINAGE AREA, 1 550 km²
LONG 111 29 41 W REGULATED

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON SEP 5 *	---	1967
1969	51.5 AT 23:30 MST ON APR 8	43.6 ON APR 9	0B ON MAR 1	31 600	1969
1970	35.1 AT 01:30 MST ON APR 7	31.7 ON APR 7	0B ON MAR 1	18 400	1970
1971	52.4 AT 13:00 MST ON APR 15	51.0 ON APR 15	0B ON MAR 1	32 900	1971
1972	1.52 AT 16:45 MST ON JUN 10	0.719 ON JUN 11	0B ON MAR 1	1 280	1972
1973	13.1 AT 20:50 MST ON JUL 16	10.6 ON JUN 17	0B ON MAR 1	7 750	1973
1974	84.7 AT 00:10 MST ON APR 25 *	78.7 ON APR 25 *	0 ON AUG 21	59 500	1974
1975	14.4 AT 20:00 MST ON MAY 7	14.3 ON MAY 7	0B ON MAR 1	17 000	1975
1976	1.20 AT 16:30 MST ON APR 1	0.745 ON APR 2	0B ON MAR 1	---	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	1.05 B ON MAR 30	0B ON MAR 1	459	1978
1979	---	3.90 B ON MAR 15	0B ON MAR 1	2 900	1979
1980	0.036 AT 18:00 MST ON APR 17	0.031 ON APR 18	0B ON MAR 1	13.3	1980
1981	---	0 B ON MAR 1	0B ON MAR 1	0	1981
1982	0.120 AT 10:09 MST ON APR 18	0.118 ON APR 17	0 ON MAR 1	79.7	1982
MEAN				13 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.036	0.141	0.147	0.517	0.208	0.009	0.057	0.754	---	---	0.233	1964
1965	---	---	0.052	7.10	2.04	0.770	0.333	0.438	0.154	0.231	---	---	1.37	1965
1966	---	---	0.319	1.11	0.296	0.682	0.594	0.545	0.243	0.215	---	---	0.498	1966
1967	---	---	0.039	0.870	3.65	1.13	0.259	0.586	0.016	0.194	---	---	0.845	1967
1968	---	---	0.061	0.262	0.238	0.277	0.159	0.083	0.064	0.194	---	---	0.167	1968
1969	---	---	0.013	8.70	1.51	0.548	0.589	0.360	0.104	0.349	---	---	1.50	1969
1970	---	---	0.037	3.86	1.36	0.715	0.407	0.269	0.055	0.127	---	---	0.846	1970
1971	---	---	0.037	13.5	2.75	0.567	0.315	0.386	0.204	0.084	---	---	2.20	1971
1972	---	---	0.221	0.233	0.205	0.188	0.043	0.142	0.013	0.022	---	---	0.133	1972
1973	---	---	0.126	0.262	0.134	0.220	0.040	0.206	0.021	0.005	---	---	0.126	1973
1974	---	---	0.048	3.93	11.9	1.22	0.614	0.748	0.200	0.079	---	---	2.35	1974
1975	---	---	0.009	0.203	4.04	0.828	0.291	0.250	0.013	0.020	---	---	0.712	1975
1976	---	---	0.273	0.298	0.101	0.257	0.126	0.108	0	0.016	---	---	0.147	1976
1977	---	---	0.062	0.094	0.042	0	0	0	0.001	0.002	---	---	0.025	1977
1978	---	---	0.011	0.085	0.071	0.007	0.002	0.001	0.001	0.011	---	---	0.024	1978
1979	---	---	0.098	0.079	0.042	0.019	0	0	0	0.001	---	---	0.030	1979
1980	---	---	0.042	0.084	0.025	0.023	0.008	0.004	0.002	0.010	---	---	0.025	1980
1981	---	---	0.007	0.008	0.015	0.006	0	0	0	0	---	---	0.004	1981
1982	---	---	0.001	0.008	0.010	0.003	0.008	0.005	0.004	0.001	---	---	0.005	1982
MEAN	---	---	0.079	2.15	1.50	0.420	0.210	0.218	0.061	0.122	---	---	0.592	MEAN

LOCATION - LAT 50 51 18 N DRAINAGE AREA, 3 720 km²
LONG 111 35 26 W REGULATED

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	2.64 AT 05:00 MST ON JUN 18	2.27 ON JUN 18	0 ON AUG 21 *	4 950	1964
1965	22.9 AT 10:00 MST ON APR 24	22.6 ON APR 24	0 B ON MAR 1	29 100	1965
1966	5.61 AT 18:00 MST ON APR 2	4.30 ON APR 2	0 B ON MAR 1	10 600	1966
1967	---	4.13 ON JUN 1	0 ON SEP 10	17 900	1967
1968	0.793 AT 19:10 MST ON APR 19	0.733 ON APR 19	0 ON JUL 12	3 530	1968
1969	---	28.3 ON APR 19	0 B ON MAR 15	31 800	1969
1970	10.1 AT 14:30 MST ON APR 14	9.63 ON APR 20	0.008B ON MAR 4	17 900	1970
1971	48.7 AT 20:30 MST ON APR 20	46.7 ON APR 20	0 B ON MAR 1	46 700	1971
1972	---	1.35 B ON MAR 18	0 ON JUL 11	2 820	1972
1973	1.35 AT 23:50 MST ON JUN 15	0.847 ON JUN 16	0 ON JUL 20	2 670	1973
1974	52.7 AT 01:20 MST ON MAY 1 *	51.3 ON MAY 1 *	0.040 ON SEP 30	49 800	1974
1975	9.94 AT 12:00 MST ON MAY 12	9.83 ON MAY 12	0 B ON MAR 1	15 000	1975
1976	1.35 AT 14:00 MST ON JUN 16	0.663 ON MAR 19	0 ON SEP 2	3 110	1976
1977	0.184 AT 02:30 MST ON APR 8	0.167 ON APR 6	0 ON JUN 3	533	1977
1978	---	0.161 ON APR 23	0 B ON MAR 1	500	1978
1979	---	0.264B ON MAR 21	0 B ON MAR 1	634	1979
1980	---	0.170B ON MAR 31	0 B ON MAR 1	520	1980
1981	0.047 AT 09:40 MST ON MAY 21	0.031 ON MAY 19	0 ON APR 26	93.6	1981
1982	0.055 AT 15:46 MST ON MAY 30	0.032 ON MAY 30	0 B ON MAR 1	106	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 500	MEAN

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.002	4.50	0.888	0.122	0.029	0.001	---	---	---	---	1.36	1921
1922	---	---	---	1.11	0.183	0.036	0.019	0.005	0.005	0.023	---	---	---	1922
1923	---	---	0.001	0.031	0.007	2.55	1.06	0.063	0.015	0.017	---	---	0.637	1923
1924	---	---	0.004	0.081	0.035	0.014	0.002	0.012	0.004	0.016	---	---	0.033	1924
1925	---	---	0.044	14.4	1.66	0.220	0.474	0.104	0.054	0.061	---	---	4.02	1925
1926	---	---	2.31	2.54	0.494	0.055	0.014	0.017	0.038	0.030	---	---	1.35	1926
1927	---	---	0.053	18.3	5.85	2.31	0.902	0.489	0.246	0.215	---	---	6.57	1927
1928	---	---	13.3	6.42	1.35	0.516	0.479	0.223	0.111	0.115	---	---	5.43	1928
1929	---	---	0.125	0.199	0.145	0.064	0.003	---	---	---	---	---	0.133	1929
1930	---	---	0.005	0.177	0.063	0.012	0	0	0	0	---	---	0.064	1930
1935	---	---	---	3.52	0.589	0.048	0.021	---	---	---	---	---	---	1935
1936	---	---	0	6.69	0.976	0.187	0.018	---	---	---	---	---	1.94	1936
1937	---	---	---	0.163	0.037	0.007	---	---	---	---	---	---	---	1937
1938	---	---	---	8.23	2.07	0.433	---	---	---	---	---	---	---	1938
1939	---	---	2.71	2.85	0.302	1.82	---	---	---	---	---	---	1.92	1939
1940	---	---	---	13.6	9.00	0.727	---	---	---	---	---	---	---	1940
1941	---	---	0.573	14.7	0.813	0.349	---	---	---	---	---	---	4.04	1941
1942	---	---	0.005	0.052	0	0	---	---	---	---	---	---	0.014	1942
1943	---	---	0.138	17.6	1.04	0.162	---	---	---	---	---	---	4.67	1943
1947	---	---	5.70	13.4	0.636	0.143	---	---	---	---	---	---	4.94	1947
1948	---	---	0	27.5	17.9	1.19	---	---	---	---	---	---	11.6	1948
1949	---	---	0.044	0.146	0.003	0	---	---	---	---	---	---	0.048	1949
1950	---	---	0	0.008	0	---	---	---	---	---	---	---	---	1950
1951	---	---	0	10.0	9.75	---	---	---	---	---	---	---	---	1951
1952	---	---	0.301	37.1	2.18	0.776	---	---	---	---	---	---	9.94	1952
1953	---	---	0	0.323	2.46	2.59	---	---	---	---	---	---	1.34	1953
MEAN	---	---	1.21	7.83	2.25	0.597	0.252	0.102	0.059	0.060	---	---	3.16	MEAN

LOCATION - LAT 50 54 26 N DRAINAGE AREA, 2 790 km^2
LONG 111 33 40 W REGULATED

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	16.2 ON APR 17	0 ON MAR 1 *	14 400	1921
1922	---	5.80 B ON APR 8	0.025 ON JUN 28	---	1922
1923	---	12.9 ON JUN 25	0 B ON MAR 1	6 710	1923
1924	---	0.130B ON APR 9	0 B ON MAR 3	352	1924
1925	---	32.0 ON APR 13	0 B ON MAR 1	42 400	1925
1926	---	8.30 ON APR 19	0 B ON MAR 1	14 200	1926
1927	---	50.1 ON APR 21	0 B ON MAR 1	69 300	1927
1928	---	113 E ON MAR 26	0 B ON MAR 1	57 300	1928
1929	---	0.289B ON MAR 20	0 B ON MAR 1	1 400	1929
1930	---	0.439 ON APR 9	0 B ON MAR 1	673	1930
1935	---	15.3 ON APR 21	0 B ON APR 1	---	1935
1936	---	22.5 ON APR 19	0 B ON MAR 1	20 500	1936
1937	---	0.362 ON APR 14	0 B ON APR 1	---	1937
1938	---	27.5 ON APR 13	0 B ON MAR 29	---	1938
1939	---	15.4 ON MAR 29	0 B ON MAR 1	20 200	1939
1940	---	63.7 ON APR 26	0 B ON APR 1	---	1940
1941	---	38.5 ON APR 10	0 B ON MAR 1	42 600	1941
1942	---	0.122 ON APR 14	0 B ON MAR 1	149	1942
1943	---	53.2 ON APR 9	0 ON MAR 1	49 200	1943
1947	---	47.6 ON MAR 29	0 B ON MAR 1	52 200	1947
1948	---	150 E ON APR 26 *	0 B ON MAR 1	122 000	1948
1949	---	0.453B ON APR 6	0 B ON MAR 1	504	1949
1950	---	0.025 ON APR 19	0 ON MAR 1	---	1950
1951	---	28.6 B ON APR 16	0 B ON MAR 1	---	1951
1952	---	123 ON APR 8	0 B ON MAR 1	105 000	1952
1953	---	11.7 ON MAY 14	0 B ON MAR 1	14 200	1953
				33 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.009	0.003	0	0	---	---	---	1967
1968	---	---	0.248	0.011	0	0	0	0.009	0.006	0.009	---	---	0.036	1968
1969	---	---	0	2.93	0.046	0.001	0.014	0	0.012	0	---	---	0.368	1969
1970	---	---	0	3.71	0.128	0.110	1.78	0.110	0.007	0.004	---	---	0.725	1970
1971	---	---	0	3.38	0.088	0.020	0.545	0.005	0	0	---	---	0.497	1971
1972	---	---	0	0.719	0.019	0.400	0.140	0.007	0.001	0	---	---	0.158	1972
1973	---	---	0.326	0.527	0.067	1.16	0.128	0.546	0.001	0.001	---	---	0.341	1973
1974	---	---	0	7.17	2.18	0.188	0.075	0	0	0	---	---	1.19	1974
1975	---	---	0	1.91	1.42	0.026	0.271	0.001	0	0	---	---	0.451	1975
1976	---	---	0.002	1.54	0.004	0	0	0	0	0	---	---	0.190	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.179	0.638	0	0.046	0.004	0	0.918	0.032	---	---	0.224	1978
1979	---	---	0.598	0.355	0.046	0.010	0	0	0	0	---	---	0.126	1979
1980	---	---	0	0.619	0.005	0.004	0	0	0	0	---	---	0.077	1980
1981	---	---	0.186	0.019	0.002	0	0	0	0	0	---	---	0.026	1981
1982	---	---	0	0.313	0.007	0	0.015	0	0	0	---	---	0.041	1982
MEAN	---	---	0.103	1.59	0.267	0.131	0.186	0.043	0.059	0.003	---	---	0.297	MEAN

LOCATION - LAT 52 26 04 N DRAINAGE AREA, 223 km^2
LONG 112 21 18 W NATURAL FLOW

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0E ON AUG 18 *	---	1967
1968	---	0.878E ON MAR 1	0 ON MAY 1	756	1968
1969	---	18.7 ON APR 10	0B ON MAR 1	7 780	1969
1970	19.3 B AT 09:20 MST ON APR 12	18.9 B ON APR 12	0B ON MAR 1	15 400	1970
1971	14.0 AT 04:00 MST ON APR 15	13.7 ON APR 15	0B ON MAR 1	10 500	1971
1972	5.44 AT 09:00 MST ON JUN 11	3.40 B ON APR 8	0B ON MAR 1	3 350	1972
1973	7.93 AT 16:30 MST ON JUN 18	7.45 ON JUN 18	0B ON MAR 1	7 230	1973
1974	41.1 A AT 20:00 MST ON APR 22 *	37.7 A ON APR 22 *	0B ON MAR 1	25 100	1974
1975	11.8 AT 05:30 MST ON APR 26	11.2 ON APR 26	0B ON MAR 1	9 550	1975
1976	8.50 AT 08:20 MST ON APR 9	8.38 ON APR 9	0B ON MAR 1	4 020	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.64 AT 04:00 MST ON SEP 14	4.79 ON SEP 14	0B ON MAR 1	4 730	1978
1979	4.00 B AT 10:30 MST ON MAR 16	3.80 B ON MAR 16	0B ON MAR 1	2 670	1979
1980	3.57 AT 23:00 MST ON APR 12	3.35 ON APR 14	0B ON MAR 1	1 630	1980
1981	0.684B AT 15:50 MST ON MAR 15	0.585B ON MAR 15	0 ON JUN 1	555	1981
1982	---	2.69 B ON APR 17	0B ON MAR 1	872	1982
				6 280	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	5.19	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 18 N DRAINAGE AREA, 656 km²
LONG 113 26 08 W REGULATED

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	19.3 ON APR 13 *	0B ON APR 1 *	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	69.1	18.9	41.1	22.3	6.46	---	1967
1968	1.15	0.767	0.954	37.7	154	64.5	98.6	40.6	61.3	43.6	29.8	7.34	45.3	1968
1969	1.99	1.17	0.784	125	147	32.1	6.63	2.95	2.96	4.16	1.55	0.865	27.3	1969
1970	0.488	0.451	0.359	18.9	62.5	26.0	13.6	6.19	7.83	12.9	3.72	0.864	12.9	1970
1971	0.499	0.422	0.205	29.3	31.0	13.8	26.6	7.39	46.7	29.0	10.7	4.31	16.7	1971
1972	1.09	0.682	0.821	4.44	232	38.0	35.3	7.86	4.20	8.86	3.33	1.33	28.5	1972
1973	1.38	0.982	0.575	9.13	76.6	139	185	172	46.1	45.9	37.3	6.91	60.6	1973
1974	3.36	1.86	1.16	84.7	224	49.2	200	51.2	25.7	22.0	7.87	2.95	56.7	1974
1975	1.50	1.13	1.05	22.7	107	162	95.6	72.8	217	95.3	28.2	5.18	67.7	1975
1976	2.01	1.42	1.26	107	55.1	41.5	46.1	29.1	12.9	29.4	12.5	2.82	28.4	1976
1977	1.48	0.917	0.603	20.1	31.9	31.5	62.4	26.9	14.0	20.1	9.00	1.34	18.5	1977
1978	0.735	0.601	0.350	10.2	62.2	37.4	15.5	10.5	90.5	145	31.6	6.79	34.4	1978
1979	2.06	1.05	0.760	1.13	138	87.6	18.5	13.2	36.2	22.7	14.9	4.56	28.6	1979
1980	1.30	0.630	0.422	18.8	11.1	10.3	23.4	66.9	23.8	16.1	3.74	0.902	14.9	1980
1981	0.565	0.353	0.374	5.79	68.2	20.5	15.1	6.06	1.52	2.64	2.33	0.855	10.5	1981
1982	0.308	0.211	0.187	5.67	128	21.8	4.57	7.09	9.82	5.32	1.74	0.676	15.7	1982
MEAN	1.33	0.843	0.658	33.4	102	51.7	56.5	36.9	38.7	34.0	13.8	3.38	31.1	MEAN

LOCATION - LAT 58 18 40 N DRAINAGE AREA, 10 000 km²
LONG 113 04 05 W NATURAL FLOW

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	227 ON MAY 9	0.680B ON JAN 25	1 430 000	1968
1969	334 AT 15:51 MST ON APR 30	331 ON APR 30	0.566B ON MAR 29	860 000	1969
1970	---	89.2 ON MAY 3	0.326B ON MAR 9	407 000	1970
1971	115 AT 12:00 MST ON APR 25	113 ON APR 25	0.142B ON APR 6 *	527 000	1971
1972	357 AT 22:00 MST ON MAY 13	357 ON MAY 13	0.524B ON APR 12	900 000	1972
1973	255 AT 11:00 MST ON AUG 7	254 ON AUG 6	0.476B ON MAR 29	1 910 000	1973
1974	362 AT 21:40 MST ON MAY 2 *	360 ON MAY 2 *	0.991B ON APR 2	1 790 000	1974
1975	---	326 A ON SEP 9	0.934B ON MAR 17	2 130 000	1975
1976	---	227 B ON APR 17	1.22 B ON MAR 20	898 000	1976
1977	85.8 AT 08:36 MST ON JUL 23	85.5 ON JUL 23	0.580B ON MAR 24	583 000	1977
1978	188 AT 03:25 MST ON OCT 8	188 ON OCT 8	0.297B ON MAR 20	1 090 000	1978
1979	233 AT 04:55 MST ON MAY 19	232 ON MAY 18	0.705B ON APR 5	901 000	1979
1980	101 AT 05:35 MST ON AUG 12	100 ON AUG 12	0.400B ON MAR 11	470 000	1980
1981	---	165 E ON MAY 1	0.320B ON FEB 12	331 000	1981
1982	182 AT 10:50 MST ON MAY 5	181 ON MAY 5	0.171B ON APR 9	494 000	1982
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	981 000	MEAN

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	0.737	0.059	0.034	0.007	0.003	0.005	0.017	---	---	0.106	1980
1981	---	---	0.135	0.343	0.012	0.005	0	0	0	0	---	---	0.061	1981
1982	---	---	0	0.052	0.007	0.018	0.025	0.001	0	0.006	---	---	0.013	1982
MEAN	---	---	0.045	0.377	0.026	0.019	0.011	0.001	0.002	0.008	---	---	0.060	MEAN

LOCATION - LAT 52 57 20 N DRAINAGE AREA, 705 km²
LONG 110 00 35 W NATURAL FLOW

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	5.80B AT 23:30 CST ON APR 14 *	4.42 B ON APR 14 *	0B ON MAR 1 *	2 240	1980
1981	---	1.05 B ON APR 7	0B ON MAR 1	1 300	1981
1982	---	0.300E ON APR 17	0B ON MAR 1	285	1982
MEAN				1 280	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	--	0.829	0.471	0.136	0.061	0.116	0.002	---	---	---	---	1935
1936	---	---	---	4.68	5.03	1.33	0.239	0.072	0.004	---	---	---	---	1936
1977	---	---	---	---	---	---	---	0.003	0.008	0.003	---	---	---	1977
1978	---	---	0.174	0.757	0.058	0.014	0.035	0.053	0.907	0.785	---	---	0.346	1978
1979	---	---	2.58	4.14	1.21	0.423	0.660	0.469	0.116	0.094	---	---	1.21	1979
1980	---	---	0.029	4.14	0.359	0.282	0.307	0.994	3.15	1.22	---	---	1.30	1980
1981	---	---	2.96	2.33	0.375	0.058	0.317	0.116	0.010	0.066	---	---	0.779	1981
1982	---	---	0	4.88	3.12	0.042	2.88	0.237	0.085	0.079	---	---	1.41	1982
MEAN	---	---	1.15	3.11	1.52	0.326	0.643	0.258	0.535	0.375	---	---	1.01	MEAN

LOCATION - LAT 53 24 50 N DRAINAGE AREA, 643 km^2
LONG 113 30 56 W NATURAL FLOW

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	3.14 ON APR 21	0 ON APR 1 *	---	1935
1936	---	16.0 ON APR 16 *	0 ON APR 1	---	1936
1977	---	---	0 ON AUG 14	---	1977
1978	2.17 AT 08:50 MST ON APR 9	1.78 ON SEP 18	0 B ON MAR 1	7 310	1978
1979	9.02B AT 11:10 MST ON MAR 21	7.30B ON MAR 21	0 B ON MAR 1	25 500	1979
1980	7.58 AT 09:25 MST ON AUG 28	6.98 ON APR 18	0 B ON MAR 1	27 400	1980
1981	---	6.30B ON MAR 26	0.002 ON SEP 17	16 500	1981
1982	14.5 AT 15:40 MST ON APR 27 *	14.1 B ON APR 27	0 B ON MAR 1	29 900	1982
MEAN				21 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	6.42	11.2	22.1	13.6	18.0	8.43	4.65	1.84	---	1916
1917	1.64	1.33	1.17	27.7	24.2	7.12	3.77	1.53	1.67	2.42	1.94	1.24	6.32	1917
1918	0.986	0.927	1.51	9.65	3.15	3.44	1.30	0.914	0.780	0.826	0.506	0.453	2.03	1918
1919	0.468	0.404	0.907	5.91	5.27	3.70	0.846	1.07	2.17	0.954	0.788	0.292	1.90	1919
1920	0.187	0.097	0.218	21.9	59.3	10.4	1.77	0.598	0.897	0.895	0.598	0.277	8.14	1920
1921	0.270	0.354	0.411	12.9	3.17	2.78	1.30	0.894	0.309	0.431	0.257	0.076	1.92	1921
1922	0.082	0.039	0.119	3.31	1.59	0.648	0.581	0.734	0.438	0.471	0.220	---	---	1922
1923	---	---	---	3.32	0.550	---	---	---	---	---	---	---	---	1923
1962	---	---	---	7.81	0.886	1.82	0.447	1.04	1.28	0.446	---	---	---	1962
1963	---	---	4.21	12.6	3.64	1.12	3.61	0.475	0.171	0.138	---	---	---	1963
1964	---	---	0.385	1.81	5.54	2.08	0.890	0.352	4.28	2.43	---	---	---	1964
1965	---	---	0.257	42.2	11.9	19.5	16.2	1.36	1.80	1.19	---	---	---	1965
1966	---	---	1.92	16.8	2.80	1.45	1.09	0.831	0.719	0.749	---	---	---	1966
1967	---	---	0.083	6.59	3.84	4.75	0.655	0.231	0.064	0.090	---	---	---	1967
1968	---	---	1.04	1.15	0.452	0.603	1.44	0.765	0.365	0.682	---	---	---	1968
1969	---	---	0.181	18.0	1.70	0.345	3.23	0.622	1.85	1.59	0.541	0.460	---	1969
1970	0.305	0.187	0.238	15.5	2.26	2.24	3.88	0.846	0.285	0.592	0.554	0.222	2.25	1970
1971	0.203	0.211	0.230	27.1	3.14	3.82	8.25	0.441	0.252	0.378	0.250	0.189	3.69	1971
1972	0.122	0.058	0.198	11.7	3.68	3.74	1.87	0.698	0.299	0.562	0.444	0.204	1.95	1972
1973	0.265	0.188	1.98	15.4	4.07	3.50	9.04	7.61	1.55	1.02	0.658	0.489	3.83	1973
1974	0.369	0.347	0.387	40.5	11.6	5.19	6.48	0.847	0.622	0.825	0.475	0.254	5.63	1974
1975	0.266	0.287	0.301	9.11	5.01	1.37	0.988	0.209	0.218	0.196	0.236	0.220	1.53	1975
1976	0.144	0.174	0.249	4.92	0.684	0.479	0.233	1.24	0.250	0.360	0.262	0.234	0.765	1976
1977	0.206	0.211	0.231	3.42	8.21	2.49	0.089	0.119	0.605	0.314	0.200	0.203	1.36	1977
1978	0.176	0.192	3.59	5.67	2.43	2.63	0.230	0.189	1.26	0.765	0.876	0.471	1.54	1978
1979	0.127	0.071	3.17	4.61	2.44	0.867	0.511	0.043	0.034	0.027	0.200	0.267	1.03	1979
1980	0.108	0.084	0.109	10.8	1.06	11.1	6.70	4.54	5.41	1.09	1.25	0.575	3.55	1980
1981	0.359	0.358	7.89	2.25	6.07	2.69	10.7	12.7	0.518	0.814	0.964	0.359	3.86	1981
1982	0.238	0.497	0.520	20.4	4.28	1.54	34.8	3.77	2.75	2.92	0.980	0.443	6.14	1982
MEAN	0.343	0.317	1.21	13.0	6.53	4.02	5.11	2.08	1.74	1.13	0.802	0.438	3.19	MEAN

LOCATION - LAT 52 21 14 N DRAINAGE AREA, 1 790 km^2
LONG 113 47 35 W NATURAL FLOW

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	72.5 ON JUN 27	---	---	---	1915
1916	---	60.6 ON JUL 5	---	---	1916
1917	---	61.2 ON APR 11	0.558B ON DEC 27	199 000	1917
1918	---	16.9 ON APR 11	0.283B ON NOV 22	64 000	1918
1919	---	15.0 ON MAY 10	0.113B ON DEC 16	59 800	1919
1920	---	210 ON MAY 9 *	0.057B ON JAN 24	258 000	1920
1921	---	40.5 ON APR 17	0.014B ON DEC 18	60 600	1921
1922	---	13.3B ON APR 28	0.014B ON FEB 17	---	1922
1923	---	---	---	---	1923
1962	---	28.2B ON APR 6	---	---	1962
1963	---	30.0 ON APR 17	---	---	1963
1964	---	29.7 ON MAY 8	---	---	1964
1965	---	103 ON APR 26	---	---	1965
1966	---	99.4 ON APR 2	---	---	1966
1967	---	23.2B ON APR 27	0 ON SEP 23 *	---	1967
1968	---	16.5 ON JUL 26	0 ON JUL 18	---	1968
1969	---	94.3 ON APR 9	---	---	1969
1970	---	45.0 ON APR 7	0.170B ON FEB 18	71 000	1970
1971	---	77.9 ON APR 22	0.136 ON AUG 28	116 000	1971
1972	---	43.3B ON APR 8	0.057B ON FEB 6	61 700	1972
1973	---	53.2 ON JUL 3	0.142B ON FEB 2	121 000	1973
1974	161 A ON APR 19	148 A ON APR 20	0.224B ON DEC 18	178 000	1974
1975	39.4B AT 15:30 MST ON APR 22	36.5B ON APR 22	0.116 ON AUG 15	48 300	1975
1976	35.7 AT 11:30 MST ON APR 10	29.4 ON APR 10	0.051 ON JUL 21	24 200	1976
1977	35.1 AT 07:00 MST ON MAY 31	32.3 ON MAY 31	0.016 ON JUN 25	43 000	1977
1978	42.5B AT 07:00 MST ON MAR 29	30.9B ON MAR 30	0.034 ON AUG 7	48 500	1978
1979	---	15.0E ON APR 22	0.017 ON OCT 4	32 600	1979
1980	53.7 AT 07:00 MST ON JUL 2	48.3 ON JUN 6	0.040 ON MAY 21	112 000	1980
1981	140 AT 11:30 MST ON AUG 1	135 ON AUG 1	0.050 ON JUL 13	122 000	1981
1982	180 AT 01:44 MST ON JUL 7 *	169 ON JUL 7	0.175B ON JAN 23	194 000	1982
				101 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.046	14.0	6.65	11.7	4.78	0.255	0.691	0.349	---	---	4.76	1965
1966	---	---	0.772	3.06	1.31	0.586	0.438	0.644	0.197	0.158	---	---	0.891	1966
1967	---	---	0.021	2.39	2.12	2.13	0.149	0.025	0	0.003	---	---	0.847	1967
1968	---	---	0.666	0.507	0.067	0.011	0.226	0.177	0.045	0.082	---	---	0.223	1968
1969	---	---	0.026	2.99	0.665	0.096	3.45	0.850	1.18	1.12	---	---	1.30	1969
1970	---	---	0.034	4.90	1.25	0.717	1.11	0.134	0.033	0.123	---	---	1.03	1970
1971	---	---	0.031	11.0	1.18	2.14	3.40	0.043	0.011	0.028	---	---	2.20	1971
1972	---	---	0.111	4.25	1.58	2.37	0.701	0.176	0.049	0.154	---	---	1.16	1972
1973	---	---	0.278	6.90	2.24	3.12	4.63	3.44	0.333	0.381	---	---	2.66	1973
1974	---	---	0.073	15.9	5.12	2.17	3.12	0.095	0.065	0.103	---	---	3.30	1974
1975	---	---	0.014	2.60	2.42	0.407	0.171	0.012	0.014	0.040	---	---	0.706	1975
1976	---	---	0.021	1.74	0.098	0.230	0.099	1.06	0.203	0.075	---	---	0.437	1976
1977	---	---	0.049	1.55	6.37	0.883	0.084	0.276	0.822	0.280	---	---	1.29	1977
1978	---	---	1.12	1.94	2.27	1.24	0.332	0.071	1.02	0.306	---	---	1.03	1978
1979	---	---	1.23	2.10	1.25	0.540	0.299	0.053	0.028	0.047	---	---	0.691	1979
1980	---	---	0.030	4.70	1.34	11.5	2.79	4.21	4.21	0.612	---	---	3.63	1980
1981	---	---	2.23	0.757	3.75	1.17	9.35	1.77	0.091	0.185	---	---	2.43	1981
1982	---	---	0.070	7.38	2.25	0.426	20.9	0.454	0.476	0.756	---	---	4.11	1982
MEAN	---	---	0.379	4.93	2.33	2.30	3.11	0.764	0.526	0.267	---	---	1.82	MEAN

LOCATION - LAT 52 45 22 N   LONG 114 17 03 W   DRAINAGE AREA, 352 km^2 NATURAL FLOW

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	66.8A AT 11:00 MST ON JUN 1 *	59.2 A ON JUN 1	0.028B ON MAR 1	101 000	1965
1966	---	13.5 B ON APR 2	0.028 ON SEP 20	18 900	1966
1967	---	9.40B ON APR 24	0 ON AUG 23 *	17 900	1967
1968	---	2.06B ON MAR 5	0 ON JUN 16	4 710	1968
1969	---	33.1 ON JUL 7	0.006B ON MAR 1	27 400	1969
1970	---	14.1 ON APR 7	0.011B ON MAR 1	21 700	1970
1971	---	55.2 ON APR 21	0.003 ON AUG 23	46 500	1971
1972	---	23.1 ON JUN 26	0.006 ON MAR 1	24 600	1972
1973	---	51.0 ON JUL 2	0.057B ON MAR 1	56 300	1973
1974	---	57.8 ON APR 19	0.024 ON SEP 24	69 800	1974
1975	---	13.8 B ON APR 20	0.007 ON AUG 16	14 900	1975
1976	---	11.8 B ON APR 8	0.001 ON JUL 30	9 250	1976
1977	---	23.9 ON MAY 30	0.001 ON JUL 28	27 400	1977
1978	---	15.9 ON MAY 31	0.001B ON MAR 1	21 900	1978
1979	---	6.60 ON APR 21	0 ON SEP 3	14 600	1979
1980	---	64.1 ON JUN 4	0.020 ON MAY 22	76 900	1980
1981	---	128 ON JUL 30	0.035 ON SEP 17	51 500	1981
1982	---	167 ON JUL 5 *	0.039B ON MAR 1	86 900	1982
				38 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 10 N DRAINAGE AREA, 564 km²
LONG 111 14 10 W NATURAL FLOW

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	7.08E ON APR 13 *	0 ON MAR 1 *	---	1936
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.055	0.026	0.028	0.028	---	---	---	1911
1912	---	---	---	---	---	---	0.062	0.013	0.023	0.014	---	---	---	1912
1964	---	---	0.014	0.011	0.012	0.008	0.007	0.008	0.017	0.008	---	---	0.010	1964
1965	---	---	0.005	4.30	0.012	0.009	0.007	0.006	0.008	0.008	---	---	0.534	1965
1966	---	---	0.951	0.404	0.008	0.008	0.006	0.006	0.006	0.006	---	---	0.175	1966
1967	---	---	0.184	1.24	1.74	0.004	0.004	0.006	0.006	0.008	---	---	0.398	1967
1968	---	---	0.007	0.013	0.012	0.009	---	---	0.012	0.012	---	---	---	1968
1969	---	---	0.007	0.365	0.032	0.039	0.026	0.024	0.027	0.027	---	---	0.068	1969
1970	---	---	0.018	0.961	0.016	0.016	0.017	0.013	0.006	0.007	---	---	0.129	1970
1971	---	---	0.013	4.70	0.307	0.054	0.015	0.017	0.015	0.016	---	---	0.630	1971
1972	---	---	0.015	0.014	0.012	0.010	0.009	0.006	0.005	0.008	---	---	0.010	1972
1973	---	---	0.021	0.022	0.024	0.274	0.020	0.014	0.018	0.020	---	---	0.051	1973
1974	---	---	0.022	2.57	0.270	0.025	0.068	0.055	0.013	0.008	---	---	0.372	1974
1976	---	---	0.018	0.018	0.014	0.016	0.014	0.015	0.008	0.002	---	---	0.013	1976
1977	---	---	0.012	0.005	0.004	0.005	0.005	0.007	0.004	0.002	---	---	0.006	1977
1978	---	---	0.008	0.006	0.003	0.002	0.002	0.002	0.002	0.004	---	---	0.004	1978
1979	---	---	0.030	0.009	0.008	0.005	0.002	0.001	0.003	0.005	---	---	0.008	1979
1980	---	---	0.038	0.010	0.004	0.003	0.002	0.003	0.003	0.003	---	---	0.008	1980
1981	---	---	0.004	0.005	0.005	0.002	0.002	0.002	0.002	0.004	---	---	0.003	1981
1982	---	---	0.007	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	0.004	1982
MEAN	---	---	0.076	0.814	0.138	0.027	0.017	0.012	0.010	0.010	---	---	0.143	MEAN

LOCATION - LAT 50 57 26 N DRAINAGE AREA, 695 km²
LONG 111 03 30 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1964	0.028 AT 03:00 MST ON SEP 2	0.025 ON SEP 2	0.006 ON JUL 8	221	1964
1965	34.5 AT 21:00 MST ON APR 10 *	24.9 ON APR 10	0 B ON MAR 1 *	11 300	1965
1966	19.5 B AT 12:00 MST ON MAR 31	13.6 B ON MAR 31	0 B ON MAR 4	3 710	1966
1967	7.99 AT 03:30 MST ON MAY 2	5.38 ON MAY 2	0.003 ON JUN 5	8 420	1967
1968	---	0.016 ON SEP 15	---	---	1968
1969	---	1.94 ON APR 13	0 B ON MAR 1	1 430	1969
1970	11.7 AT 15:00 MST ON APR 7	10.0 ON APR 7	0.003 ON AUG 30	2 740	1970
1971	32.0 AT 11:00 MST ON APR 16	27.2 ON APR 16 *	0.008B ON MAR 1	13 400	1971
1972	0.054 AT 20:55 MST ON MAR 22	0.026 ON MAR 22	0.002 ON AUG 23	212	1972
1973	3.94 AT 13:40 MST ON JUN 18	2.58 ON JUN 18	0.006B ON MAR 1	1 080	1973
1974	26.1 AT 21:20 MST ON APR 18	19.4 ON APR 18	0.005 ON OCT 4	7 880	1974
1976	---	0.062E ON APR 11	0 ON OCT 23	275	1976
1977	---	0.018B ON MAR 1	0.001E ON OCT 31	117	1977
1978	---	0.034B ON MAR 29	0.001 ON SEP 22	79.4	1978
1979	---	0.095B ON MAR 11	0.001 ON JUL 31	163	1979
1980	---	0.192B ON MAR 23	0 B ON MAR 1	177	1980
1981	0.011 AT 02:00 MST ON JUL 29	0.006 ON OCT 28	0.001 ON JUN 19	69.3	1981
1982	---	0.041B ON MAR 12	0.002 ON JUL 15	76.1	1982
				3 020	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	0.803	0.231	0.090	0.053	0.022	---	---	---	1936
1937	---	---	---	---	0.588	1.51	0.679	0.209	0.099	0.070	0.057	---	---	1937
1938	---	---	---	---	---	2.35	0.862	0.288	0.206	0.204	---	---	---	1938
1939	---	---	---	---	---	1.03	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	0.735	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	0.515	---	---	---	---	---	---	---	1941
MEAN	---	---	---	---	0.588	1.16	0.591	0.196	0.119	0.099	0.057	---	---	MEAN

LOCATION - LAT 50 38 00 N LONG 115 07 30 W   DRAINAGE AREA, 28.2 km² NATURAL FLOW   DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1936	---	---	---	---	1936
1937	---	2.80 ON JUN 17 *	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	0.378	0.303	0.243	0.293	0.257	---	---	1913
1914	---	---	---	0.392	0.486	0.243	0.110	0.090	0.106	0.345	---	---	0.253	1914
1915	---	---	---	0.443	0.787	2.50	1.55	0.826	0.715	0.699	---	---	1.07	1915
1916	---	---	---	0.719	0.936	1.71	0.754	0.347	0.316	0.394	---	---	0.737	1916
1917	---	---	---	---	1.69	1.46	0.334	0.198	0.150	0.171	---	---	---	1917
1918	---	---	---	---	0.456	0.191	0.126	0.092	0.091	0.083	---	---	---	1918
1919	---	---	---	0.229	0.147	0.049	0.009	0	0	0.024	---	---	0.065	1919
MEAN	---	---	---	0.446	0.750	1.03	0.466	0.265	0.232	0.287	0.257	---	0.531	MEAN

LOCATION - LAT 49 03 00 N LONG 113 26 40 W   DRAINAGE AREA, 60.1 km² REGULATED

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	0.991 ON APR 1	0 ON APR 3 *	8 680	1914
1915	---	7.84 ON JUN 4 *	0.320 ON APR 28	19 800	1915
1916	---	2.27 ON JUN 11	0.201 ON SEP 25	13 600	1916
1917	---	2.86 ON MAY 31	---	---	1917
1918	---	0.623 ON MAY 18	---	---	1918
1919	---	0.623 ON MAY 9	0 ON JUL 23	1 200	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 820	MEAN

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	0.555	0.201	0.155	1.13	6.66	9.52	2.63	1.31	0.714	3.19	1.32	0.683	2.34	1948
1949	0.237	0.227	0.260	1.31	6.52	6.34	2.45	0.994	0.779	0.632	1.35	1.15	1.86	1949
1950	0.406	0.402	0.420	0.661	3.55	9.39	6.68	1.72	0.666	2.29	1.82	1.17	2.44	1950
1951	0.660	0.838	0.400	1.75	6.87	6.92	5.74	1.80	2.61	2.82	0.656	0.416	2.63	1951
1952	0.244	0.272	0.171	2.46	6.25	5.14	2.62	1.38	0.624	0.353	0.226	0.215	1.66	1952
1953	0.719	0.583	0.337	1.15	5.42	10.6	5.98	1.57	0.783	0.374	0.839	0.535	2.41	1953
1954	0.313	0.354	0.313	0.762	6.50	8.46	7.17	2.22	1.59	2.03	1.29	0.725	2.66	1954
1955	0.459	0.289	0.259	0.384	2.73	9.27	4.87	1.30	0.600	2.07	1.26	0.630	2.01	1955
1956	0.450	0.269	0.319	1.22	6.77	8.61	4.15	1.45	0.761	1.16	0.649	0.528	2.20	1956
1957	0.307	0.303	0.386	0.764	8.87	6.89	2.02	0.944	0.588	---	---	---	---	1957
1958	---	---	---	---	---	5.77	1.95	1.01	0.796	0.997	0.862	0.588	---	1958
1959	---	---	---	---	---	10.6	4.49	1.36	2.42	2.56	1.07	---	---	1959
1960	---	---	---	---	---	7.59	3.21	1.14	0.747	0.460	0.571	---	---	1960
1961	---	---	---	---	---	9.27	2.39	0.982	0.760	1.58	0.692	0.467	---	1961
1962	---	---	---	---	---	6.84	2.46	1.16	0.752	1.10	1.15	---	---	1962
1963	---	---	---	---	---	7.74	3.22	0.984	0.668	0.464	0.529	0.374	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
MEAN	0.435	0.374	0.302	1.16	6.01	8.06	3.88	1.33	0.991	1.47	0.952	0.623	2.25	MEAN

LOCATION - LAT 48 59 50 N LONG 113 54 20 W   DRAINAGE AREA, 53.9 km² NATURAL FLOW   INTERNATIONAL GAUGING STATION

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	14.3 AT 19:30 MST ON MAY 22	12.9 ON MAY 26	0.113B ON MAR 23 *	74 000	1948
1949	11.2 AT 03:00 MST ON MAY 28	10.4 ON MAY 28	0.156E ON FEB 19	58 700	1949
1950	21.9 ON JUN 22	17.0 ON JUN 22	0.227B ON JAN 18	76 900	1950
1951	18.0 AT 09:30 MST ON JUN 15	13.6 ON JUN 15	0.255B ON DEC 30	83 000	1951
1952	10.4 AT 01:00 MST ON OCT 1	9.85 ON MAY 28	0.153B ON MAR 11	52 600	1952
1953	25.6 AT 05:00 MST ON JUN 4	20.9 ON JUN 4 *	0.142B ON JAN 7	76 200	1953
1954	15.7 AT 09:00 MST ON MAY 19	14.4 ON MAY 19	0.170B ON JAN 22	83 800	1954
1955	15.3 AT 02:00 MST ON JUN 23	14.2 ON JUN 23	0.170B ON MAR 23	63 400	1955
1956	16.6 AT 12:30 MST ON MAY 21	15.3 ON MAY 21	0.170B ON FEB 17	69 500	1956
1957	13.4 AT 05:00 MST ON MAY 14	12.8 ON MAY 14	0.198B ON FEB 19	---	1957
1958	12.2 AT 01:00 MST ON MAY 24	11.6 ON MAY 24	---	---	1958
1959	17.7 AT 02:00 MST ON JUN 6	15.4 ON JUN 6	---	---	1959
1960	13.8 AT 04:00 MST ON JUN 3	13.3 ON JUN 3	---	---	1960
1961	14.8 AT 09:30 MST ON JUN 5	13.7 ON MAY 27	---	---	1961
1962	9.91 AT 23:00 MST ON JUN 17	9.32 ON JUN 17	---	---	1962
1963	17.5 AT 07:00 MST ON JUN 10	15.1 ON JUN 10	---	---	1963
1964	168 ON JUN 8 *	---	---	---	1964
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		70 900	MEAN

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.259	0.192	0.145	---	---	---	1980
1981	---	---	---	---	0.038	0.280	0.327	0.295	0.354	0.158	---	---	0.241	1981
1982	---	---	---	---	0.164	0.448	0.466	0.540	0.466	0.075	---	---	0.359	1982
MEAN	---	---	---	---	0.101	0.364	0.397	0.365	0.337	0.126	---	---	0.300	MEAN

LOCATION - LAT 49 47 42 N
LONG 112 18 55 W REGULATED

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0.004E ON OCT 29	---	1980
1981	---	0.545 ON JUN 26	0 ON OCT 24 *	3 830	1981
1982	---	0.951 ON JUN 30 *	0.002E ON OCT 31	5 710	1982
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 770	MEAN

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.080	0.426	0.411	0.495	0.168	---	---	---	1966
1967	---	---	---	---	---	---	0.440	0.586	---	---	---	---	---	1967
1968	---	---	---	---	0.008	0.249	0.451	0.450	0.373	0.137	---	---	0.278	1968
1969	---	---	---	---	0.185	0.512	0.273	0.390	0.380	0.196	---	---	0.321	1969
1970	---	---	---	---	0.136	0.340	0.510	0.438	0.333	0.173	---	---	0.322	1970
1971	---	---	---	---	---	0.397	0.594	0.547	0.443	0.186	---	---	---	1971
1972	---	---	---	---	0.132	0.802	0.648	0.607	0.451	0.119	---	---	0.456	1972
1973	---	---	---	0.066	0.369	0.558	0.625	0.580	0.564	0.174	---	---	0.477	1973
1974	---	---	---	---	0.045	0.461	0.597	0.854	0.527	0.278	---	---	0.460	1974
1975	---	---	---	---	0.111	0.033	0.468	0.569	0.404	0.135	---	---	0.287	1975
1976	---	---	---	---	0.207	0.640	0.530	0.365	0.379	0.217	---	---	0.388	1976
1977	---	---	---	---	0.547	0.711	0.822	0.418	0.426	0.136	---	---	0.509	1977
1978	---	---	---	---	0.040	0.179	0.626	0.543	0.076	0.090	---	---	0.260	1978
1979	---	---	---	---	0.070	0.504	0.710	0.754	0.383	0.180	---	---	0.433	1979
1980	---	---	---	---	0.479	0.280	0.686	0.585	0.509	0.263	---	---	0.468	1980
1981	---	---	---	---	0.112	0.579	0.635	0.585	0.604	0.239	---	---	0.457	1981
1982	---	---	---	---	0.324	0.547	0.740	0.843	0.666	0.253	---	---	0.562	1982
MEAN	---	---	---	0.066	0.198	0.430	0.575	0.560	0.438	0.184	---	---	0.406	MEAN

LOCATION - LAT 49 47 05 N DRAINAGE AREA, 790 km^2
LONG 112 20 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	1.01 ON JUL 21	0 ON MAY 1 *	4 410	1968
1969	---	0.869 ON JUN 7	0 ON MAY 4	5 110	1969
1970	---	0.889 ON JUN 14	0 ON MAY 3	5 110	1970
1971	---	0.934 ON JUL 16	---	---	1971
1972	---	1.37 ON JUN 11	0 ON MAY 17	7 290	1972
1973	---	1.32 ON JUN 15	0.003 ON OCT 31	7 590	1973
1974	---	6.51 ON AUG 2 *	0 ON MAY 8	7 310	1974
1975	---	0.883 ON AUG 17	0 ON MAY 2	4 560	1975
1976	---	1.48 ON AUG 6	0.006 ON MAY 4	6 180	1976
1977	---	1.12 ON JUL 3	0.001 ON OCT 28	8 080	1977
1978	---	0.988 ON JUL 4	0 ON MAY 21	4 140	1978
1979	---	3.39 ON AUG 24	0.006 ON OCT 30	6 890	1979
1980	---	2.13 ON MAY 24	0 E ON OCT 23	7 440	1980
1981	---	1.14 ON JUN 13	0.005E ON OCT 22	7 280	1981
1982	---	1.79 ON SEP 27	0.006 ON OCT 24	8 940	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 450	MEAN

E - ESTIMATED

BOW GLACIER OUTFLOW - STATION NO. 05BA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.27	---	---	---	---	---	1973
1975	---	---	---	---	---	---	3.69	---	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	3.69	2.27	---	---	---	---	---	MEAN

LOCATION - LAT 51 40 04 N, LONG 116 29 00 W
DRAINAGE AREA, 24.9 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW GLACIER OUTFLOW - STATION NO. 05BA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1975	---	5.95 ON JUL 12 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	16.5	23.9	18.7	6.18	4.34	---	---	---	1962
1963	---	---	---	---	12.0	26.2	25.1	18.9	14.0	7.77	---	---	---	1963
MEAN	---	---	---	---	12.0	21.4	24.5	18.8	10.1	6.06	---	---	---	MEAN

LOCATION - LAT 51 26 30 N, LONG 116 12 38 W
DRAINAGE AREA, 348 km^2
NATURAL FLOW

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	38.2 ON JUN 26	---	---	1962
1963	---	43.3 ON JUL 9 *	---	---	1963
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	15.2	8.84	---	---	---	---	---	1974
1975	---	---	---	---	---	---	12.8	6.59	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	14.0	7.72	---	---	---	---	---	MEAN

LOCATION - LAT 51 34 38 N, LONG 116 19 20 W
DRAINAGE AREA, 192 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	18.4 ON JUL 14 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT BANFF - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	176	164	70.1	44.7	23.6	---	---	---	1909
1910	---	---	---	---	87.5	151	138	78.7	35.6	34.1	---	---	---	1910
1911	9.82	9.25	8.56	10.4	35.1	177	126	72.7	42.6	19.2	11.7	10.8	44.5	1911
1912	8.23	7.55	6.34	8.34	42.0	97.0	101	99.9	52.3	28.8	16.5	12.2	40.1	1912
1913	9.10	7.93	7.28	11.7	39.5	159	101	85.7	55.6	28.6	17.1	11.3	44.6	1913
1914	9.92	8.93	8.07	11.3	52.3	139	138	73.7	42.1	34.5	16.5	10.2	45.6	1914
1915	8.13	7.84	7.53	15.9	45.0	91.6	124	101	44.4	24.6	16.2	12.6	41.9	1915
1916	10.0	9.59	7.67	9.95	27.5	139	153	76.2	50.5	24.6	15.2	10.9	44.6	1916
1917	8.65	7.46	6.49	7.10	49.3	106	123	66.9	36.0	29.2	14.1	9.50	38.8	1917
1918	8.79	7.09	6.72	9.60	40.6	161	97.7	67.4	42.5	26.9	13.8	10.4	41.1	1918
1919	8.49	7.24	5.50	9.59	58.4	105	83.3	75.1	38.6	16.5	10.9	9.36	35.8	1919
1920	8.37	7.38	6.28	7.63	21.9	85.4	103	81.6	39.6	27.1	14.0	10.4	41.3	1920
1921	9.51	8.11	7.88	8.38	50.3	124	101	64.4	26.6	22.4	16.8	11.9	37.8	1921
1922	9.59	8.53	7.62	8.00	49.3	134	90.6	75.1	46.8	27.2	14.0	9.28	40.2	1922
1923	8.79	8.33	8.64	10.5	42.2	159	102	69.0	45.1	24.1	12.9	9.62	41.8	1923
1924	9.60	9.99	8.17	7.20	65.6	88.9	95.6	72.1	42.1	20.1	13.1	9.90	37.0	1924
1925	8.98	8.03	6.62	15.0	98.5	143	106	73.4	44.3	26.8	15.8	11.4	46.7	1925
1926	8.24	7.85	7.09	19.8	40.8	73.2	95.8	62.0	46.5	23.8	14.0	8.78	34.2	1926
1927	7.73	7.21	7.41	8.95	26.4	161	139	89.5	49.8	33.8	17.4	12.7	47.0	1927
1928	9.87	7.76	8.18	10.7	110	167	155	68.9	36.5	18.1	10.8	7.66	51.1	1928
1929	6.36	5.45	6.29	6.45	30.6	125	72.8	66.6	38.2	17.8	10.3	7.94	32.9	1929
1930	6.90	7.08	7.11	15.7	55.0	153	123	78.2	44.7	19.4	11.2	7.91	44.3	1930
1931	7.16	6.46	6.04	7.64	52.6	112	91.7	60.2	42.7	19.3	12.4	9.40	35.8	1931
1932	7.99	12.0	8.50	11.5	60.4	177	104	80.5	44.9	20.3	11.8	9.08	45.6	1932
1933	7.80	7.71	7.54	10.9	43.1	165	133	69.6	39.6	22.6	17.0	9.52	44.6	1933
1934	7.40	6.57	7.31	28.9	115	116	86.5	60.3	35.1	24.6	15.6	9.36	42.9	1934
1935	12.7	8.62	7.70	9.02	40.1	142	136	78.1	39.7	19.1	10.3	7.49	42.7	1935
1936	6.26	6.09	6.38	10.9	74.1	102	72.1	53.3	30.2	16.7	11.0	6.96	33.1	1936
1937	5.62	5.42	5.94	6.97	37.9	90.9	85.5	54.2	37.2	22.7	19.5	10.2	32.0	1937
1938	8.94	7.39	7.76	9.19	53.4	155	100	48.1	47.5	23.6	11.2	8.63	40.2	1938
1939	7.67	6.36	6.92	10.1	65.4	78.4	105	62.8	36.1	24.5	17.5	10.9	36.2	1939
1940	8.11	7.36	7.36	10.0	73.6	112	90.9	58.8	47.7	27.0	14.2	10.3	39.0	1940
1941	7.85	7.05	7.54	12.1	37.2	90.0	74.7	53.3	30.3	21.5	13.7	10.8	30.6	1941
1942	9.56	7.40	6.80	9.26	47.3	96.4	115	73.3	39.5	23.6	13.2	11.1	38.0	1942
1943	10.7	9.01	8.28	16.7	30.8	76.2	142	63.3	29.8	21.3	13.1	9.79	36.2	1943
1944	8.29	7.77	6.56	8.72	48.5	107	68.9	68.8	42.3	24.7	14.9	10.3	34.8	1944
1945	8.38	7.89	7.85	7.54	29.7	87.7	82.4	53.3	32.4	21.2	13.9	10.0	30.3	1945
1946	9.18	8.89	8.44	10.8	71.1	121	87.5	58.3	48.0	24.0	14.4	11.1	39.5	1946
1947	9.68	9.03	8.40	13.7	73.3	128	100	53.7	41.6	35.2	18.9	12.5	42.2	1947
1948	9.95	9.47	9.42	11.3	92.7	168	88.2	70.3	36.5	19.2	12.7	9.48	44.8	1948
1949	7.68	7.19	8.27	9.38	62.4	67.7	53.4	47.3	30.7	18.9	13.7	8.20	28.0	1949
1950	7.87	8.20	6.91	8.86	21.7	155	125	61.2	36.5	20.5	14.6	12.2	40.0	1950
1951	9.27	7.00	6.12	10.7	71.9	107	149	68.8	38.9	26.9	15.4	11.2	43.9	1951
1952	9.75	8.98	7.69	14.0	66.6	117	105	67.6	32.0	22.4	11.5	9.18	39.5	1952
1953	9.58	7.53	7.61	8.29	35.6	128	119	64.3	38.4	25.3	17.1	11.7	39.6	1953
1954	8.82	9.05	8.61	9.17	45.9	130	184	96.2	60.1	26.4	18.1	11.3	50.9	1954
1955	9.70	8.18	8.38	8.19	20.3	128	122	60.3	35.3	20.2	13.9	11.3	37.3	1955
1956	9.71	7.08	7.52	11.1	75.0	149	97.3	54.6	27.2	17.2	11.3	8.26	39.7	1956
1957	8.77	7.52	6.77	8.41	90.5	101	70.2	46.8	29.7	21.4	13.7	11.1	34.8	1957
1958	9.93	8.87	6.90	7.87	88.0	121	95.3	60.3	33.8	22.6	12.8	10.0	40.0	1958
1959	9.68	9.47	8.26	9.08	41.7	143	118	59.5	49.2	27.2	17.0	13.8	42.3	1959
1960	9.03	8.02	9.85	11.4	27.9	102	121	57.0	35.5	22.4	15.4	11.8	36.1	1960
1961	9.12	8.95	8.64	8.72	69.9	177	83.8	67.6	31.2	25.7	14.3	11.4	43.1	1961
1962	9.20	7.75	8.10	13.3	38.3	114	104	68.4	35.5	22.2	16.2	10.2	37.4	1962
1963	8.32	8.47	8.33	11.4	44.8	132	109	67.5	45.9	26.0	16.5	11.5	41.0	1963
1964	10.5	8.60	7.93	8.98	25.5	155	129	59.1	37.5	34.7	18.3	13.4	42.4	1964
1965	12.0	12.2	8.86	10.9	34.3	154	134	83.4	39.1	30.8	20.3	12.3	46.2	1965
1966	10.6	9.14	9.36	11.2	76.1	142	141	73.0	41.6	28.9	16.5	11.6	47.8	1966
1967	9.67	8.75	8.78	8.92	34.2	208	139	74.1	46.0	24.3	13.7	9.39	48.8	1967
1968	8.99	8.24	8.71	8.30	34.5	127	110	58.8	37.9	23.7	14.4	10.4	37.6	1968
1969	9.16	8.20	7.85	13.0	69.7	134	91.7	59.1	34.9	22.7	14.2	9.42	39.6	1969
1970	8.05	8.73	7.63	7.22	27.0	110	74.5	49.1	24.9	15.3	9.27	9.77	29.4	1970
1971	7.45	7.90	6.41	8.30	60.0	137	91.7	70.9	33.8	20.0	14.2	8.97	39.0	1971
1972	9.45	7.97	8.97	8.34	51.0	210	127	81.4	39.2	24.4	15.7	11.2	49.6	1972
1973	9.48	8.49	8.02	9.03	47.0	119	99.4	58.0	31.2	21.3	14.3	11.8	36.6	1973
1974	9.38	9.74	7.11	10.5	28.6	168	132	67.9	36.3	20.5	13.0	10.4	42.9	1974
1975	7.91	7.88	7.33	7.58	22.2	83.8	102	58.9	35.1	21.5	15.6	12.0	32.0	1975
1976	9.54	7.76	7.68	10.8	66.8	97.1	143	97.7	71.7	29.3	14.6	11.1	47.5	1976
1977	8.75	7.88	7.62	11.0	41.5	105	65.8	67.5	38.8	19.9	12.4	9.80	33.1	1977
1978	8.17	7.56	8.11	9.15	34.2	126	113	58.2	45.8	27.2	16.4	12.9	39.1	1978
1979	9.98	6.97	6.98	7.37	33.1	105	87.8	52.1	31.6	18.8	10.4	9.99	31.8	1979
*1980	7.61	7.45	6.00	14.8	103	120	71.9	44.9	34.5	27.5	14.0	12.0	38.8	1980
1981	10.7	8.80	8.60	10.4	75.5	98.0	144	90.1	41.8	22.6	14.6	10.4	44.9	1981
1982	8.96	10.6	8.83	8.04	29.6	136	104	63.1	48.3	25.8	14.6	11.6	39.3	1982
MEAN	8.90	8.11	7.62	19.4	52.2	128	110	67.6	39.9	23.9	14.4	10.5	40.0	MEAN

LOCATION - LAT 51 10 30 N   DRAINAGE AREA, 2 210 km^2
LONG 115 34 10 W   NATURAL FLOW

BOW RIVER AT BANFF - STATION NO. 05BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	314 ON JUL 7	---	---	1909
1910	---	230 ON JUN 12	---	---	1910
1911	---	264 ON JUN 14	5.75 ON FEB 27	1 400 000	1911
1912	---	174 ON AUG 25	5.80 ON MAR 14	1 270 000	1912
1913	---	232 ON JUN 11	6.12B ON MAR 18	1 410 000	1913
1914	---	214 ON JUN 18	7.16 ON NOV 17	1 440 000	1914
1915	---	236 ON JUN 27	6.94 ON JAN 27	1 320 000	1915
1916	---	309 ON JUN 20	6.97B ON MAR 2	1 410 000	1916
1917	---	174 ON JUN 17	6.06B ON FEB 23	1 220 000	1917
1918	---	345 ON JUN 15	6.03B ON FEB 20	1 300 000	1918
1919	---	185 ON JUN 22	4.56B ON FEB 28	1 130 000	1919
1920	---	248 ON JUL 3	5.69B ON APR 3	1 310 000	1920
1921	---	171 ON JUN 9	6.37B ON MAR 11	1 190 000	1921
1922	---	209 ON JUN 5	6.57B ON MAR 27	1 270 000	1922
1923	399 AT 12:00 MST ON JUN 14 *	377 ON JUN 14 *	6.43E ON DEC 20	1 320 000	1923
1924	174 AT 09:00 MST ON JUL 5	167 ON JUL 5	6.26 ON APR 20	1 170 000	1924
1925	---	212 ON MAY 23	5.44B ON DEC 31	1 470 000	1925
1926	---	130 ON JUL 7	5.52B ON APR 5	1 080 000	1926
1927	228 AT 08:55 MST ON JUN 27	221 ON JUN 27	6.48B ON FEB 17	1 480 000	1927
1928	---	289 ON MAY 28	6.09B ON DEC 29	1 620 000	1928
1929	233 AT 23:00 MST ON JUN 2	215 ON JUN 2	4.90B ON APR 8	1 040 000	1929
1930	277 AT 10:50 MST ON JUN 8	263 ON JUN 8	6.00B ON DEC 29	1 400 000	1930
1931	---	187 ON JUN 18	4.70B ON MAR 26	1 130 000	1931
1932	283 AT 08:00 MST ON JUN 3	279 ON JUN 3	3.62B ON JAN 5 *	1 440 000	1932
1933	328 AT 20:40 MST ON JUN 17	311 ON JUN 17	5.27B ON DEC 26	1 410 000	1933
1934	---	269 ON MAY 31	4.08B ON FEB 26	1 350 000	1934
1935	---	197 ON JUN 16	5.95B ON DEC 19	1 350 000	1935
1936	---	219 ON JUN 1	5.64B ON FEB 16	1 050 000	1936
1937	---	148 ON JUN 17	5.15B ON FEB 14	1 010 000	1937
1938	---	220 ON JUN 23	6.63B ON FEB 15	1 270 000	1938
1939	---	178 ON MAY 29	5.49B ON FEB 10	1 140 000	1939
1940	---	204 ON MAY 26	6.43B ON MAR 12	1 230 000	1940
1941	---	126 ON JUN 25	6.14 ON NOV 23	966 000	1941
1942	---	166 ON JUL 5	6.37B ON FEB 17	1 200 000	1942
1943	---	209 ON JUL 10	5.04B ON FEB 28	1 140 000	1943
1944	---	158 ON JUN 12	5.55B ON MAR 13	1 100 000	1944
1945	---	126 ON JUN 22	6.99 ON APR 11	956 000	1945
1946	221 AT 11:45 MST ON MAY 29	204 ON MAY 29	7.70B ON MAR 14	1 250 000	1946
1947	---	167 ON JUN 11	7.31B ON MAR 4	1 330 000	1947
1948	---	292 ON JUN 9	8.41B ON JAN 27	1 420 000	1948
1949	---	121 ON JUN 7	6.09B ON DEC 11	884 000	1949
1950	---	286 ON JUN 21	5.04 ON MAR 31	1 260 000	1950
1951	---	243 ON JUN 16	4.25B ON MAR 5	1 380 000	1951
1952	---	155 ON JUN 30	6.06 ON APR 1	1 250 000	1952
1953	281 AT 22:00 MST ON JUN 13	260 ON JUN 14	6.00B ON FEB 9	1 250 000	1953
1954	289 AT 13:15 MST ON JUL 8	286 ON JUL 8	6.43B ON MAR 28	1 610 000	1954
1955	251 AT 12:00 MST ON JUN 14	246 ON JUN 24	6.74B ON FEB 11	1 180 000	1955
1956	274 AT 23:00 MST ON JUN 5	257 ON JUN 5	6.09B ON DEC 6	1 250 000	1956
1957	157 AT 13:00 MST ON MAY 20	152 ON MAY 20	5.86B ON MAR 5	1 100 000	1957
1958	198 AT 09:00 MST ON MAY 26	191 ON MAY 26	6.14B ON MAR 1	1 260 000	1958
1959	216 AT 12:00 MST ON JUN 22	212 ON JUN 22	6.68B ON JAN 3	1 330 000	1959
1960	187 AT 06:00 MST ON JUL 1	182 ON JUL 1	7.25B ON FEB 27	1 140 000	1960
1961	271 AT 17:00 MST ON JUN 6	266 ON JUN 7	7.59B ON JAN 19	1 360 000	1961
1962	195 AT 21:00 MST ON JUN 26	184 ON JUN 26	5.44B ON FEB 5	1 180 000	1962
1963	186 AT 03:00 MST ON JUL 9	183 ON JUN 19	6.43B ON FEB 2	1 290 000	1963
1964	---	246 ON JUN 14	7.31B ON MAR 23	1 340 000	1964
1965	297 AT 14:00 MST ON JUN 19	289 ON JUN 19	7.87B ON MAR 18	1 460 000	1965
1966	235 AT 13:00 MST ON JUN 1	225 ON JUN 1	7.93B ON MAR 3	1 510 000	1966
1967	---	275 ON JUN 22	7.53B ON MAR 11	1 540 000	1967
1968	197 AT 15:00 MST ON JUN 27	191 ON JUN 27	7.53 ON APR 22	1 190 000	1968
1969	209 AT 08:40 MST ON JUN 6	203 ON JUN 6	7.50B ON JAN 31	1 250 000	1969
1970	163 AT 08:09 MST ON JUN 5	155 ON JUN 5	5.21B ON NOV 23	925 000	1970
1971	203 AT 08:30 MST ON JUN 7	199 ON JUN 7	5.41B ON MAR 22	1 230 000	1971
1972	320 AT 06:00 MST ON JUN 12	311 ON JUN 12	7.16B ON MAR 1	1 570 000	1972
1973	222 AT 22:00 MST ON JUN 24	215 ON JUN 24	6.71B ON JAN 4	1 150 000	1973
1974	320 AT 08:25 MST ON JUN 25	317 ON JUN 25	6.09B ON MAR 22	1 350 000	1974
1975	149 AT 11:00 MST ON JUL 14	144 ON JUL 14	5.66B ON MAR 8	1 010 000	1975
1976	197 AT 16:00 MST ON JUL 1	191 ON JUL 1	5.95B ON MAR 23	1 500 000	1976
1977	221 AT 06:00 MST ON JUN 9	207 ON JUN 9	5.83B ON NOV 21	1 040 000	1977
1978	197 AT 03:30 MST ON JUN 7	189 ON JUN 6	5.75B ON JAN 30	1 230 000	1978
1979	157 AT 09:30 MST ON JUN 13	150 ON JUN 13	5.40B ON FEB 9	1 000 000	1979
1980	197 AT 10:40 MST ON MAY 22	190 ON MAY 22	4.14B ON MAR 4	1 230 000	1980
1981	233 AT 11:05 MST ON MAY 27	227 ON MAY 27	7.24B ON FEB 10	1 420 000	1981
1982	197 AT 05:00 MST ON JUN 23	192 ON JUN 22	6.15B ON JAN 16	1 240 000	1982
				1 260 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CALGARY - STATION NO. 05BH004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1897	---	---	---	---	---	---	---	---	---	---	---	---	---	1897
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1911	---	25.9	24.3	36.6	75.8	324	268	209	126	68.6	45.6	21.9	---	1911
1912	31.4	29.7	29.2	44.5	97.2	232	305	231	137	86.8	58.8	27.9	110	1912
1913	31.7	31.9	33.8	47.1	90.7	327	217	193	134	74.7	55.3	50.8	108	1913
1914	29.9	26.8	29.3	42.5	105	289	273	134	82.9	78.5	50.1	31.5	98.1	1914
1915	34.7	34.0	39.6	45.5	126	296	410	235	117	75.9	49.5	36.0	126	1915
1916	31.6	36.4	44.2	57.5	94.4	416	437	237	192	96.1	68.1	47.6	147	1916
1917	40.7	34.6	25.7	31.2	157	342	296	163	102	76.3	48.5	35.1	113	1917
1918	36.9	24.8	29.4	46.8	85.9	295	196	145	100	71.0	44.0	33.8	92.7	1918
1919	36.7	30.6	24.7	35.7	115	197	154	166	85.3	52.4	38.6	26.8	80.6	1919
1920	23.5	25.3	22.9	37.0	83.7	176	390	164	84.7	61.2	41.3	29.0	95.4	1920
1921	30.9	28.3	26.4	38.6	117	264	210	129	66.4	48.1	38.4	31.6	86.1	1921
1922	29.2	25.1	23.1	34.9	85.6	251	176	143	88.9	49.9	36.2	26.2	81.0	1922
1923	24.7	23.6	18.9	29.3	79.6	472	268	170	105	62.5	42.3	33.0	111	1923
1924	24.6	29.6	30.5	38.2	123	204	221	186	97.9	55.4	39.0	29.4	90.1	1924
1925	35.9	28.3	31.4	52.6	162	271	191	154	105	81.4	58.4	44.1	102	1925
1926	28.6	32.5	34.9	51.3	73.4	121	150	96.1	170	101	59.9	43.2	80.3	1926
1927	37.6	30.4	32.6	57.1	75.3	358	293	201	162	106	63.4	42.3	122	1927
1928	51.3	38.5	67.3	54.6	177	395	325	147	87.9	55.8	39.6	26.5	122	1928
1929	22.8	26.2	32.7	42.7	83.6	335	145	113	69.4	27.4	30.4	25.7	79.5	1929
1930	21.9	19.6	32.6	32.8	89.6	287	226	129	86.8	46.1	34.5	32.6	86.8	1930
1931	31.1	31.8	39.6	43.6	52.2	198	158	110	85.1	43.3	33.2	26.2	71.1	1931
1932	28.1	27.9	28.8	39.0	110	431	183	139	99.6	51.8	37.6	29.2	100	1932
1933	30.4	28.7	32.5	47.5	104	297	236	131	90.9	52.0	44.9	30.5	94.0	1933
1934	32.3	33.0	31.0	69.1	195	220	138	101	69.5	45.2	37.2	31.2	83.8	1934
1935	23.9	30.3	30.0	41.4	67.4	245	243	141	75.3	47.9	34.5	35.0	84.8	1935
1936	33.4	37.9	22.3	30.7	108	196	125	95.0	59.0	35.4	30.6	33.3	67.2	1936
1937	30.7	23.3	33.3	29.8	45.7	168	159	111	70.9	51.0	47.1	25.2	66.5	1937
1938	28.6	26.9	26.1	31.1	118	313	225	99.2	81.2	50.3	35.5	25.4	88.5	1938
1939	26.1	31.3	28.9	34.6	84.9	178	187	114	77.0	51.6	42.8	36.0	74.6	1939
1940	27.8	28.6	28.1	32.9	119	169	134	95.3	94.8	52.7	33.8	31.1	70.7	1940
1941	27.1	25.1	43.0	41.9	43.6	136	107	95.5	68.8	48.6	33.9	29.1	58.4	1941
1942	20.6	30.1	29.3	40.2	98.4	204	212	137	90.9	63.3	43.9	53.4	85.5	1942
1943	46.9	40.3	46.3	81.6	78.0	186	246	114	64.7	52.1	49.0	44.4	84.5	1943
1944	42.5	38.0	43.4	63.4	53.3	168	104	111	74.4	49.9	48.1	43.9	69.9	1944
1945	44.4	35.2	35.4	48.9	64.9	213	172	99.5	70.0	54.8	48.1	46.4	77.9	1945
1946	47.4	44.2	39.3	58.0	126	230	156	106	97.9	62.1	49.8	51.9	89.2	1946
1947	46.8	43.9	45.8	63.1	153	280	189	104	87.9	81.3	58.3	52.9	101	1947
1948	49.3	51.4	47.0	64.4	207	330	173	153	82.5	56.2	47.5	45.5	109	1948
1949	49.8	40.0	40.8	53.3	87.2	133	99.3	88.4	58.5	52.1	33.6	35.1	64.4	1949
1950	33.1	25.5	29.7	30.4	48.2	209	171	102	74.6	---	---	---	---	1950
1952	---	---	---	---	131	232	205	145	89.2	70.3	---	---	---	1952
1953	---	---	---	---	---	286	243	117	92.4	73.2	70.5	65.0	---	1953
1954	62.8	52.3	52.5	87.7	107	236	275	194	156	91.9	76.8	71.6	122	1954
1955	63.2	67.3	66.7	84.6	114	166	181	102	74.3	58.5	62.8	60.5	91.9	1955
1956	69.6	69.2	65.2	93.5	106	220	164	107	80.8	70.3	52.2	50.6	95.6	1956
1957	47.8	54.5	60.5	65.3	140	159	113	83.9	67.8	65.2	52.8	56.5	80.7	1957
1958	63.0	79.0	69.7	89.8	127	182	163	101	69.9	69.8	63.6	59.1	94.8	1958
1959	67.6	63.9	46.7	68.1	77.3	202	163	100	80.9	61.5	57.0	72.6	88.4	1959
1960	68.1	61.1	61.9	71.9	90.1	185	102	108	66.7	59.5	57.5	57.6	85.9	1960
1961	51.2	58.7	51.7	69.0	121	256	129	131	78.4	74.7	69.7	80.5	97.7	1961
1962	76.0	76.2	81.9	91.5	97.5	169	157	118	86.1	54.8	51.5	34.1	91.2	1962
1963	43.6	61.2	52.6	49.3	70.2	204	197	125	105	93.5	60.6	59.2	93.6	1963
1964	54.6	56.3	67.4	72.6	94.8	219	196	100	77.8	76.4	61.1	69.1	95.5	1964
1965	62.1	49.9	47.1	89.3	66.8	245	265	161	105	104	81.7	70.8	113	1965
1966	78.3	68.4	73.8	84.5	110	231	221	127	96.3	69.2	66.6	65.2	108	1966
1967	69.8	63.1	65.4	107	85.0	311	207	138	98.3	70.9	63.3	63.8	112	1967
1968	72.6	69.2	54.8	43.9	64.6	190	158	103	99.9	85.9	39.7	44.5	85.5	1968
1969	64.6	56.9	49.0	63.1	146	263	229	120	86.0	67.5	51.7	50.5	104	1969
1970	50.8	53.3	46.2	56.3	76.4	188	139	97.1	71.9	62.1	57.8	60.1	80.0	1970
1971	47.8	33.5	42.8	47.5	108	214	141	136	81.2	68.5	50.3	45.6	84.9	1971
1972	56.8	48.4	53.5	50.0	102	308	233	155	103	74.1	53.5	58.8	108	1972
1973	51.9	62.2	60.4	52.7	112	209	180	105	71.4	56.5	55.6	54.3	89.4	1973
1974	56.4	58.4	60.8	73.5	111	279	207	157	100	49.0	47.6	58.7	105	1974
1975	64.0	56.7	56.5	50.8	83.2	142	151	95.5	70.3	42.8	50.1	57.1	76.8	1975
1976	59.1	60.8	57.8	55.5	134	162	181	173	136	67.9	56.6	47.1	99.4	1976
1977	63.2	61.5	46.2	44.5	65.4	127	89.1	89.9	68.5	48.8	46.7	46.9	66.5	1977
1978	56.3	68.3	68.5	50.7	85.6	172	155	98.2	85.0	67.5	50.2	58.1	84.7	1978
1979	60.3	69.7	70.0	59.5	85.2	120	103	83.9	68.7	40.4	31.0	33.2	68.7	1979
1980	41.7	42.8	42.9	58.6	133	219	107	87.0	67.4	64.6	57.5	58.1	81.6	1980
1981	65.5	60.1	50.2	68.9	170	233	256	201	99.6	56.7	58.0	44.2	114	1981
1982	56.4	49.0	41.2	50.7	71.8	193	159	94.4	74.2	59.2	54.9	59.2	80.4	1982
MEAN	44.9	43.3	43.4	54.4	102	237	199	132	91.3	63.6	49.9	44.8	92.1	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 7 860 km²
LONG 114 03 00 W REGULATED SINCE 1913

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER AT CALGARY - STATION NO. 05BH004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1897	2 270 ON JUN 18 *	---	---	---	1897
1902	1 560 ON JUL 4	---	---	---	1902
1911	---	467 ON JUN 25	17.0 B ON JAN 3	---	1911
1912	---	430 ON JUL 10	16.4 ON DEC 12	3 470 000	1912
1913	---	416 ON JUN 12	24.5 B ON MAR 20	3 390 000	1913
1914	---	405 ON JUN 18	22.7 B ON JAN 26	3 090 000	1914
1915	1 130 ON JUN 26	796 ON JUN 26	27.0 B ON DEC 29	3 960 000	1915
1916	810 ON JUN 21	767 ON JUN 21	20.7 B ON JAN 17	4 640 000	1916
1917	---	436 ON JUN 3	24.1 B ON MAR 17	3 570 000	1917
1918	---	532 ON JUN 16	21.8 B ON FEB 19	2 920 000	1918
1919	459 AT 04:30 MST ON AUG 5	411 ON AUG 5	15.9 B ON FEB 25	2 540 000	1919
1920	515 AT 12:00 MST ON JUL 13	510 ON JUL 13	10.2 B ON MAR 5	3 020 000	1920
1921	---	337 ON JUN 9	11.2 B ON NOV 22	2 720 000	1921
1922	377 AT 05:00 MST ON JUN 6	365 ON JUN 6	12.0 B ON DEC 11	2 550 000	1922
1923	841 AT 04:00 MST ON JUL 3	714 ON JUN 14	10.9 B ON MAR 12	3 490 000	1923
1924	385 AT 16:00 MST ON JUL 5	377 ON JUL 5	14.4 B ON DEC 17	2 850 000	1924
1925	394 AT 20:00 MST ON JUN 23	385 ON JUN 23	18.0 B ON MAR 9	3 210 000	1925
1926	277 AT 03:00 MST ON SEP 11	259 ON SEP 11	12.5 B ON JAN 5	2 530 000	1926
1927	564 AT 11:00 MST ON JUN 11	547 ON JUN 11	14.7 B ON FEB 20	3 850 000	1927
1928	575 ON JUL 1	558 ON JUL 1	10.8 B ON DEC 6	3 860 000	1928
1929	1 320 AT 10:40 MST ON JUN 3	1 150 ON JUN 3	8.55B ON NOV 26	2 510 000	1929
1930	428 AT 04:00 MST ON JUN 9	399 ON JUN 10	3.48B ON FEB 24 *	2 740 000	1930
1931	328 AT 05:00 MST ON JUN 20	306 ON JUN 20	8.83B ON DEC 7	2 240 000	1931
1932	1 520 AT 02:00 MST ON JUN 3	1 160 ON JUN 3 *	7.67B ON FEB 22	3 170 000	1932
1933	---	612E ON JUN 18	14.3 B ON FEB 13	2 960 000	1933
1934	513 AT 15:30 MST ON JUN 1	447 ON JUN 1	10.8 B ON DEC 31	2 640 000	1934
1935	394 AT 18:30 MST ON JUN 19	374 ON JUN 17	4.25B ON JAN 27	2 670 000	1935
1936	428 AT 21:00 MST ON JUN 2	408 ON JUN 3	4.25B ON MAR 9	2 130 000	1936
1937	297 AT 15:15 MST ON JUN 18	257 ON JUN 18	4.08B ON DEC 6	2 100 000	1937
1938	459 AT 18:00 MST ON JUN 23	413 ON JUN 23	5.78B ON DEC 26	2 790 000	1938
1939	320 AT 05:00 MST ON JUL 3	309 ON JUL 2	5.66B ON MAR 13	2 350 000	1939
1940	323 AT 17:20 MST ON MAY 25	271 ON MAY 25	7.87B ON JAN 15	2 240 000	1940
1941	197 AT 17:30 MST ON JUN 16	178 ON JUN 16	9.34B ON FEB 2	1 840 000	1941
1942	365 AT 16:00 MST ON JUN 9	303 ON JUN 9	5.75B ON JAN 15	2 700 000	1942
1943	365 AT 16:00 MST ON JUL 16	323 ON JUL 5	9.23B ON DEC 26	2 660 000	1943
1944	251 ON JUN 13	214 ON JUN 14	7.70 ON MAY 8	2 210 000	1944
1945	377 AT 17:00 MST ON MAY 31	306 ON JUN 23	16.0 B ON FEB 4	2 460 000	1945
1946	402 AT 18:45 MST ON MAY 29	354 ON MAY 30	25.0 B ON JAN 1	2 810 000	1946
1947	425 AT 17:00 MST ON JUN 12	374 ON JUN 10	26.3 ON MAR 9	3 180 000	1947
1948	595 AT 15:00 MST ON MAY 24	558 ON MAY 25	18.3 ON MAR 28	3 450 000	1948
1949	228 AT 19:00 MST ON JUN 8	200 ON JUN 9	10.9 ON NOV 19	2 030 000	1949
1950	490 ON JUN 23	419 ON JUN 23	8.52 ON MAY 7	---	1950
1952	487 AT 19:00 MST ON JUN 23	408 ON JUN 24	---	---	1952
1953	578 AT 11:59 MST ON JUN 13	513 ON JUN 14	---	---	1953
1954	428 AT 23:30 MST ON JUL 6	388 ON AUG 26	21.5 ON NOV 18	3 850 000	1954
1955	416 AT 23:00 MST ON JUN 24	365 ON JUN 25	26.6 ON OCT 23	2 900 000	1955
1956	377 AT 20:00 MST ON JUN 5	306 ON JUN 7	28.3 ON NOV 3	3 020 000	1956
1957	320 AT 15:00 MST ON JUN 9	270 ON JUN 9	32.8 ON APR 19	2 550 000	1957
1958	281 AT 18:00 MST ON MAY 29	250 ON JUN 13	19.3 ON NOV 16	2 990 000	1958
1959	326 AT 23:00 MST ON JUN 27	306 ON JUN 28	36.0 ON NOV 2	2 790 000	1959
1960	306 AT 06:00 MST ON JUL 2	289 ON JUL 2	35.1 ON NOV 29	2 720 000	1960
1961	396 AT 02:30 MST ON JUN 7	391 ON JUN 7	37.7 ON JAN 22	3 080 000	1961
1962	264 AT 11:00 MST ON JUN 29	249 ON JUN 28	28.9 ON DEC 2	2 870 000	1962
1963	450 ON JUN 30	317 ON JUN 30	30.6 ON MAR 24	2 950 000	1963
1964	377 AT 13:00 MST ON JUN 19	351 ON JUN 16	32.0 B ON NOV 15	3 020 000	1964
1965	473 AT 16:00 MST ON JUN 19	456 ON JUN 20	36.2 B ON MAR 8	3 560 000	1965
1966	354 AT 06:00 MST ON JUN 4	345 ON JUN 4	42.5 B ON DEC 28	3 400 000	1966
1967	428 AT 17:30 MST ON MAY 31	382 ON JUN 24	31.7 B ON DEC 3	3 530 000	1967
1968	265 AT 17:40 MST ON JUN 29	256 ON JUN 13	28.9 B ON NOV 21	2 710 000	1968
1969	481 AT 23:24 MST ON JUN 29	399 ON JUN 30	28.9 B ON MAR 30	3 290 000	1969
1970	334 AT 20:14 MST ON JUN 17	331 ON JUN 17	29.7 B ON MAR 29	2 520 000	1970
1971	388 AT 02:00 MST ON JUN 9	362 ON JUN 7	29.7 B ON APR 5	2 680 000	1971
1972	425 AT 02:50 MST ON JUL 3	402 ON JUL 3	34.0 ON APR 22	3 420 000	1972
1973	354 AT 11:30 MST ON JUN 26	334 ON JUN 26	40.2 B ON JAN 15	2 820 000	1973
1974	484 AT 17:50 MST ON JUN 26	476 ON JUN 26	42.2 B ON NOV 26	3 310 000	1974
1975	242 AT 03:30 MST ON JUL 10	224 ON JUL 16	36.2 ON OCT 26	2 420 000	1975
1976	253 AT 04:35 MST ON AUG 7	249 ON AUG 7	42.8 B ON JAN 4	3 140 000	1976
1977	---	208 ON JUN 10	38.2 ON MAY 10	2 100 000	1977
1978	292 AT 18:10 MST ON JUL 19	238 ON JUN 12	43.0 B ON APR 17	2 670 000	1978
1979	160 AT 00:55 MST ON MAY 30	141 ON MAY 30	28.6 B ON DEC 12	2 170 000	1979
1980	370 AT 00:30 MST ON JUN 19	302 ON JUN 19	34.9 B ON MAR 4	2 580 000	1980
1981	427 AT 00:50 MST ON MAY 29	425 ON MAY 28	39.9 B ON DEC 25	3 590 000	1981
1982	305 AT 03:30 MST ON JUN 30	276 ON JUN 24	11.0 B ON FEB 12	2 540 000	1982
				2 910 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CANMORE - STATION NO. 05BE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	43.9	106	127	68.1	48.5	33.3	---	---	---	1975
1976	---	35.5	40.8	44.4	88.3	129	158	128	90.9	47.8	41.7	33.1	---	1976
1977	42.8	44.3	---	---	56.6	110	79.5	77.7	57.9	---	---	---	---	1977
1978	---	---	---	---	45.0	141	124	73.0	63.2	43.3	---	41.7	---	1978
1979	---	---	---	29.3	41.4	106	97.3	70.9	43.9	27.0	14.5	19.0	---	1979
1980	18.5R	18.2R	18.6	23.9	114	148	87.3	66.9	46.1	37.8	29.5	44.4	54.5R	1980
1981	39.7	41.2	43.1	41.4	129	151	202	159	---	---	---	---	---	1981
1982	---	---	---	---	32.7	145	127	79.5	56.5	38.6	39.5	43.2	---	1982
MEAN	33.7R	34.8R	34.2	34.8	68.9	130	125	90.4	58.1	38.0	31.3	36.3	54.5	MEAN

LOCATION - LAT 51 05 12 N DRAINAGE AREA, 3 840 km²
LONG 115 21 48 W REGULATED

R - REVISED SINCE JAN 1980

BOW RIVER AT CANMORE - STATION NO. 05BE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	180 ON JUL 14	---	---	1975
1976	249 AT 21:30 MST ON JUL 1	223 ON JUL 1	---	---	1976
1977	243 AT 10:00 MST ON JUN 9	234 ON JUN 9 *	---	---	1977
1978	217 AT 10:30 MST ON JUN 7	194 ON JUN 7	---	---	1978
1979	151 AT 10:00 MST ON JUN 6	139 ON JUN 13	---	---	1979
1980	213 AT 22:45 MST ON JUN 18	201 ON JUN 18	11.5B ON FEB 28 *	1 720 000R	1980
1981	267 AT 09:00 MST ON MAY 25 *	---	---	---	1981
1982	241 AT 08:45 MST ON JUN 23	221 ON JUN 23	---	---	1982
MEAN				1 720 000R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	387	300	154	102	---	---	---	---	1908
1909	---	---	---	---	115	409	343	158	98.3	67.3	---	---	---	1909
1910	---	---	---	---	189	295	225	150	97.5	87.6	---	34.1	---	1910
MEAN	---	---	---	---	152	364	289	154	99.3	77.5	---	34.1	---	MEAN

LOCATION - LAT 51 02 00 N DRAINAGE AREA, 10 100 km²
LONG 114 01 00 W REGULATED

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	535 ON JUN 6	---	---	1908
1909	---	623 ON JUL 7 *	---	---	1909
1910	---	396 ON JUN 13	---	---	1910
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	28.1	8.04	---	---	---	---	1910
1911	2.75	1.64	1.65	2.81	8.99	39.7	37.1	25.4	13.7	3.04	---	---	---	1911
1912	---	1.78	1.18	1.56	9.20	28.7	28.4	32.5	9.95	4.10	2.70	2.14	---	1912
1913	1.24	1.18	1.23	2.29	11.0	38.7	30.9	28.5	15.8	5.63	2.85	2.18	11.8	1913
1914	1.76	1.47	1.55	1.67	10.6	28.7	38.5	25.7	11.5	5.50	2.80	1.71	11.0	1914
1915	1.42	1.29	1.27	4.08	10.5	22.6	31.4	34.6	13.7	4.58	3.00	2.63	11.0	1915
1916	1.80	1.50	1.97	1.74	6.16	39.7	43.7	23.6	14.0	5.23	3.12	2.01	12.1	1916
1917	1.65	1.50	1.28	1.19	10.8	20.3	35.0	25.2	12.3	8.72	3.38	2.72	10.4	1917
1918	2.01	1.52	1.51	1.80	11.3	46.1	33.7	25.3	17.2	7.99	2.70	2.41	12.8	1918
1919	1.58	1.38	1.56	2.15	14.7	26.5	32.2	34.9	13.9	4.38	2.37	1.73	11.5	1919
1920	1.54	1.42	1.16	1.57	6.29	19.2	49.2	29.3	11.5	---	---	---	---	1920
1964	---	---	---	---	6.57	19.1	19.9	14.5	8.98	7.53	4.28	3.01	---	1964
1965	2.57	2.42	1.62	2.98	9.35	30.8	33.9	27.6	7.44	5.16	3.25	2.29	10.8	1965
1966	2.10	1.64	1.63	1.90	15.5	27.4	31.5	21.6	13.0	5.33	4.03	3.22	10.8	1966
1967	2.17	1.80	1.74	1.67	7.82	50.0	39.9	26.8	18.0	5.58	3.29	2.22	13.5	1967
1968	2.40	1.94	1.52	1.32	8.83	30.2	33.0	21.5	11.7	5.22	3.40	2.30	10.3	1968
1969	1.44	1.46	1.38	3.43	17.3	37.9	25.7	21.5	9.71	5.04	3.55	2.19	10.9	1969
1970	1.52	1.17	1.08	1.28	7.07	31.0	28.8	22.5	7.18	3.13	1.89	1.45	9.06	1970
1971	1.40	1.25	1.05	1.68	11.9	28.5	24.5	28.1	9.56	4.12	2.54	1.61	9.75	1971
1972	1.68	1.35	1.48	1.30	---	---	---	---	---	5.03	3.34	2.44	---	1972
1973	2.35	1.61	1.11	1.49	11.2	23.4	25.9	19.4	8.89	4.69	3.20	2.17	8.85	1973
1974	1.28	1.71	1.38	1.83	6.87	36.8	33.0	22.5	10.8	4.16	2.61	1.83	10.4	1974
1975	1.46	1.26	1.28	1.36	5.69	---	---	17.5	8.74	4.56	3.89	2.16	---	1975
1976	1.68	1.78	1.40	1.79	16.8	19.4	36.1	29.4	20.4	6.27	2.88	2.29	11.7	1976
1977	1.64	1.34	1.58	2.15	9.22	23.8	19.7	23.0	8.83	3.69	2.66	2.25	8.37	1977
1978	1.53	1.10	1.37	1.99	8.21	28.5	33.4	19.0	13.5	5.56	2.96	2.39	10.0	1978
1979	1.43	1.55	1.34	1.48	8.21	25.7	28.7	23.1	11.6	4.98	1.88	2.03	9.39	1979
1980	1.71	1.34	1.29	3.03	24.7	28.9	24.2	13.9	8.22	5.69	2.88	2.92	9.93	1980
1981	2.12	1.38	1.31	2.06	19.1	20.7	36.3	30.0	12.7	3.82	2.58	2.00	11.3	1981
1982	1.71	1.72	1.38	1.33	7.27	34.5	32.2	22.1	17.0	5.80	3.30	2.53	10.9	1982
MEAN	1.78	1.52	1.40	1.96	10.8	29.9	32.1	24.7	12.0	5.16	3.01	2.25	10.7	MEAN

LOCATION - LAT 51 25 42 N DRAINAGE AREA, 421 km²
LONG 116 11 15 W NATURAL FLOW

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	58.3 ON JUN 24	---	---	1911
1912	---	53.5 ON AUG 25	---	---	1912
1913	---	54.9 ON JUN 11	1.10 B ON FEB 7	373 000	1913
1914	---	54.9 ON JUL 15	1.13 B ON FEB 19	347 000	1914
1915	---	84.7 ON JUN 26	1.13 B ON JAN 25	347 000	1915
1916	---	108 ON JUN 19	1.39 B ON FEB 27	382 000	1916
1917	---	45.3 ON JUL 17	0.934B ON MAR 20	328 000	1917
1918	---	123 ON JUN 14 *	1.27 B ON JAN 30	406 000	1918
1919	---	47.9 ON JUN 22	0.765B ON MAR 2	363 000	1919
1920	---	58.3 ON JUL 22	---	---	1920
1964	---	25.9 ON JUL 9	---	---	1964
1965	47.0 AT 24:00 MST ON JUL 8	46.4 ON JUL 8	1.21 B ON MAR 13	342 000	1965
1966	40.2 AT 08:00 MST ON JUN 1	39.6 ON JUN 1	0.688 ON OCT 4	341 000	1966
1967	---	62.9 ON JUN 22	1.60 B ON APR 12	425 000	1967
1968	51.0 AT 14:00 MST ON JUL 12	50.1 ON JUL 12	1.22 B ON APR 25	326 000	1968
1969	52.1 AT 05:03 MST ON JUN 7	50.4 ON JUN 7	1.16 B ON MAR 2	345 000	1969
1970	39.1 AT 03:35 MST ON JUN 7	37.7 ON JUN 5	0.934B ON MAR 2	285 000	1970
1971	42.2 AT 17:30 MST ON JUN 8	41.1 ON JUN 8	0.934B ON FEB 18	307 000	1971
1972	---	---	1.22 B ON FEB 7	---	1972
1973	45.6 AT 20:50 MST ON JUN 24	43.3 ON JUN 24	0.680B ON MAR 30 *	279 000	1973
1974	71.4 AT 03:10 MST ON JUN 25 *	69.9 ON JUN 24	1.13 B ON JAN 15	329 000	1974
1975	44.5 ON JUL 14	---	0.821B ON APR 6	---	1975
1976	45.0 AT 09:00 MST ON SEP 6	43.6 ON JUL 9	1.16 B ON MAR 22	371 000	1976
1977	---	41.9E ON JUN 9	1.32 B ON FEB 8	264 000	1977
1978	46.2 AT 02:00 MST ON JUL 11	44.5 ON JUL 11	0.801B ON FEB 14	316 000	1978
1979	38.4 AT 23:50 MST ON JUL 21	37.1 ON JUL 22	1.18 ON APR 23	296 000	1979
1980	56.8 AT 00:05 MST ON MAY 22	46.9 ON MAY 21	1.11 B ON MAR 27	314 000	1980
1981	56.5 AT 18:50 MST ON MAY 26	55.7 ON MAY 26	1.19 B ON MAR 22	355 000	1981
1982	51.8 AT 05:20 MST ON JUL 22	49.3 ON JUL 22	1.20 B ON MAR 24	345 000	1982
MEAN				339 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	329	260	174	123	108	---	---	---	1910
1911	---	---	---	---	115	415	307	271	180	92.9	---	---	229	1911
1913	---	---	---	---	---	---	---	239	142	---	---	---	---	1913
1914	---	---	---	---	---	339	246	132	77.9	88.9	63.1	29.1	---	1914
1915	35.7	---	---	---	273	523	772	352	167	---	62.6	38.4	---	1915
1916	28.2	33.0	55.2	83.2	162	831	653	344	292	140	79.4	51.3	402	1916
1917	46.8	51.1	58.5	55.6	248	566	349	182	118	86.0	54.1	---	257	1917
1918	---	---	---	66.5	103	319	163	137	79.2	69.4	45.6	38.9	165	1918
1919	45.8	35.2	33.5	61.9	152	186	109	178	75.8	51.4	39.0	34.4	125	1919
1920	32.1	30.1	43.9	82.5	197	246	456	149	65.2	63.9	41.5	30.0	197	1920
1921	37.8	33.6	---	79.6	166	272	159	103	28.8	42.3	36.7	34.9	128	1921
1922	32.0	27.2	32.4	66.3	139	249	139	104	64.8	53.4	41.1	25.3	125	1922
1923	31.2	27.6	28.5	48.4	80.6	851	303	189	94.6	82.6	50.9	34.6	265	1923
1924	32.8	40.2	36.2	62.4	136	236	202	210	80.7	64.3	51.2	32.9	155	1924
1925	43.3	39.0	68.5	131	193	322	179	147	105	122	76.6	54.1	178	1925
1926	38.4	45.3	65.9	82.3	68.0	132	143	75.4	273	164	80.9	63.7	142	1926
1927	43.1	44.8	60.4	92.4	147	487	341	213	233	188	84.7	53.3	267	1927
1928	68.4	52.0	119	102	199	519	426	175	90.0	79.7	49.9	38.3	207	1928
1929	32.7	34.0	48.9	72.6	139	490	89.9	70.8	36.5	16.8	42.3	30.3	139	1929
1930	28.8	46.9	59.8	66.7	101	301	195	79.6	35.7	52.2	44.9	40.9	127	1930
1931	30.9	29.0	45.2	47.1	19.3	150	109	46.6	45.2	50.7	34.7	---	69.8	1931
1932	---	---	---	---	179	616	170	101	92.7	75.4	44.5	34.3	204	1932
1933	33.9	33.2	40.5	101	196	295	---	---	---	---	---	---	---	1933
1964	---	---	---	---	---	259	138	25.2	11.0	58.3	---	---	---	1964
1965	---	---	---	---	78.8	306	347	153	136	141	---	---	193	1965
1966	---	---	---	---	146	280	214	90.9	61.6	58.6	---	---	141	1966
1967	---	---	---	---	188	561	186	61.5	66.6	38.6	---	---	182	1967
1968	---	---	---	---	47.7	195	104	87.2	87.9	88.6	---	---	101	1968
1969	---	---	---	---	190	302	343	82.5	51.2	52.5	---	---	170	1969
1970	---	---	---	---	119	248	116	44.3	19.2	58.5	---	---	101	1970
1971	---	---	---	---	146	253	73.6	61.2	21.7	28.5	---	---	96.8	1971
1972	---	---	---	---	149	375	225	135	95.1	84.6	---	---	177	1972
1973	---	---	---	---	131	229	114	36.4	27.4	40.8	---	---	96.0	1973
1974	---	---	---	---	207	342	168	99.8	50.9	47.8	---	---	152	1974
1975	---	---	---	---	134	212	120	39.4	35.9	49.8	---	---	98.2	1975
1976	---	---	---	---	133	87.7	122	172	76.5	39.7	---	---	105	1976
1977	---	---	---	---	20.4	40.3	15.4	40.1	22.0	31.2	---	---	28.2	1977
1978	---	---	---	---	127	259	124	64.6	96.5	80.3	---	---	125	1978
1979	---	---	---	---	120	89.1	23.4	18.1	11.6	14.2	---	---	46.0	1979
1980	---	---	---	---	124	248	28.2	30.1	20.3	65.8	---	---	85.7	1980
1981	---	---	---	---	265	273	239	154	45.7	11.0	---	---	165	1981
1982	---	---	---	---	61.7	169	117	15.5	17.6	36.1	---	---	69.2	1982
MEAN	37.8	37.6	53.1	76.6	142	327	215	124	84.3	69.7	53.9	38.9	154	MEAN

LOCATION - LAT 50 45 00 N, LONG 112 32 20 W

DRAINAGE AREA, 20 300 km²

REGULATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	425 ON JUN 14	---	---	1910
1911	---	646 ON AUG 9	54.4 ON MAY 3	3 650 000	1911
1913	---	---	---	---	1913
1914	---	405 ON JUN 19	---	---	1914
1915	---	1 960 ON JUN 27	60.0 ON MAY 1	---	1915
1916	---	1 420 ON JUN 29	83.3 E ON MAY 1	6 390 000	1916
1917	---	994 ON JUN 7	46.2 ON OCT 30	4 090 000	1917
1918	---	617 ON JUN 17	35.4 ON SEP 19	2 300 000	1918
1919	---	699 ON AUG 6	19.2 ON OCT 26	1 990 000	1919
1920	---	665E ON JUL 13	33.1 ON OCT 27	3 120 000	1920
1921	422 ON JUN 9	416 ON JUN 9	12.3 ON SEP 28	2 040 000	1921
1922	436 AT 06:00 MST ON JUN 6	425 ON JUN 7	24.6 ON SEP 29	1 980 000	1922
1923	2 180 ON JUN 2	2 100 ON JUN 2	0.906E ON MAY 5 *	4 210 000	1923
1924	436 AT 04:00 MST ON JUN 30	411 ON JUN 30	29.7 ON MAY 9	2 460 000	1924
1925	538 AT 18:00 MST ON JUN 12	507 ON MAY 24	51.5 ON MAY 6	2 830 000	1925
1926	521 AT 05:00 MST ON SEP 12	510 ON SEP 12	2.83 E ON JUN 5	2 260 000	1926
1927	915 ON JUN 12	784 ON JUN 12	52.1 ON MAY 2	4 240 000	1927
1928	1 040 AT 17:00 MST ON JUN 19	883 ON JUN 19	43.9 ON SEP 29	3 940 000	1928
1929	2 540 AT 17:30 MST ON JUN 4 *	2 230 ON JUN 4 *	3.20 ON OCT 16	2 210 000	1929
1930	442 AT 22:00 MST ON JUN 10	413 ON JUN 10	3.40 ON AUG 28	2 020 000	1930
1931	272 AT 22:00 MST ON JUN 21	254 ON JUN 19	4.42 ON MAY 5	1 110 000	1931
1932	2 310 AT 09:00 MST ON JUN 4	2 120 ON JUN 4	14.4 ON OCT 15	3 250 000	1932
1933	810 AT 22:30 MST ON MAY 18	580 ON JUN 19	108 ON MAY 3	---	1933
1964	555 AT 23:00 MST ON JUN 18	524 ON JUN 19	---	---	1964
1965	974 AT 07:00 MST ON JUN 19	711 ON JUN 19	46.2 ON MAY 22	3 070 000	1965
1966	---	490 ON JUN 6	24.1 ON OCT 11	2 250 000	1966
1967	1 130 AT 01:00 MST ON JUN 11	1 080 ON JUN 1	14.2 ON OCT 24	2 890 000	1967
1968	708 AT 00:59 MST ON OCT 22	337 ON JUN 10	13.0 ON MAY 5	1 610 000	1968
1969	---	994 ON JUN 30	4.67 ON SEP 20	2 700 000	1969
1970	903 AT 01:10 MST ON JUN 15	685 ON JUN 15	4.19 ON SEP 28	1 600 000	1970
1971	750 AT 05:00 MST ON JUN 8	691 ON JUN 8	3.54 ON SEP 27	1 540 000	1971
1972	663 AT 10:40 MST ON JUN 11	504 ON JUN 3	52.4 ON OCT 17	2 810 000	1972
1973	377 AT 06:18 MST ON JUN 27	360 ON JUN 27	7.16 ON AUG 31	1 530 000	1973
1974	643 AT 05:10 MDT ON JUN 18	544 ON JUN 25	16.6 ON OCT 12	2 420 000	1974
1975	609 AT 09:00 MST ON JUN 21	439 ON JUN 21	8.44 ON AUG 15	1 560 000	1975
1976	---	396E ON AUG 7	6.51 ON OCT 14	1 680 000	1976
1977	507 AT 06:50 MST ON OCT 17	108 ON JUN 11	2.48 ON MAY 6	449 000	1977
1978	---	360 ON JUN 7	30.3 ON AUG 9	1 980 000	1978
1979	226 AT 20:45 MST ON MAY 28	218 ON MAY 29	5.56 ON OCT 14	731 000	1979
1980	---	416 ON MAY 28	2.63 ON JUL 15	1 360 000	1980
1981	837 AT 08:00 MST ON MAY 27	725 ON MAY 27	2.05 ON OCT 1	2 620 000	1981
1982	363 AT 08:25 MST ON JUL 5	259 ON JUL 5	3.84 ON SEP 30	1 100 000	1982
				2 440 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	73.0	203	307	224	153	111	102	---	---	183	1910
1913	---	---	---	---	---	451	271	248	162	97.6	---	---	---	1913
1914	---	---	---	---	130	310	254	---	---	---	---	---	---	1914
1956	---	---	---	---	---	294	209	126	95.5	86.9	---	---	---	1956
1957	---	---	---	---	216	196	99.0	60.4	76.2	79.1	---	---	121	1957
1958	---	---	---	---	191	242	239	109	62.9	83.9	---	---	155	1958
1959	---	---	---	---	131	299	199	102	84.6	87.5	---	---	150	1959
1960	---	---	---	---	145	194	187	113	55.1	55.7	---	---	125	1960
1961	---	---	---	---	194	300	110	112	64.1	111	---	---	148	1961
1962	---	---	---	---	119	197	125	96.7	87.2	58.6	---	---	113	1962
1963	---	---	---	---	78.8	265	295	131	106	97.7	---	---	162	1963
1964	---	---	---	---	169	315	189	70.7	42.1	78.7	---	---	144	1964
1965	---	---	---	---	103	369	374	180	130	147	---	---	217	1965
1966	---	---	---	---	181	334	261	127	89.9	89.4	---	---	180	1966
1967	---	---	---	---	201	554	233	119	92.7	84.7	---	---	213	1967
1968	---	---	---	---	91.7	243	156	109	88.7	107	---	---	132	1968
1969	---	---	---	---	237	406	385	129	77.2	76.6	---	---	218	1969
1970	---	---	---	---	139	314	149	77.9	47.9	63.7	---	---	131	1970
1971	---	---	---	---	157	286	131	107	53.9	54.6	---	---	131	1971
1972	---	---	63.6	72.2	172	416	277	181	122	94.9	73.6	68.9	210	1972
1973	54.0	64.3	78.9	77.9	159	254	166	83.4	65.9	54.5	61.7	58.2	130	1973
1974	61.8	63.9	75.2	122	208	403	220	143	89.7	68.2	54.7	63.4	188	1974
1975	59.6	66.7	72.6	89.6	133	219	170	83.5	62.9	58.3	58.4	61.4	121	1975
1976	69.8	67.8	71.3	79.0	168	155	161	203	---	56.6	---	---	---	1976
1977	---	---	---	---	58.8	110	76.4	83.0	62.0	38.9	---	---	71.3	1977
1978	---	---	---	---	137	277	183	105	108	93.6	---	---	150	1978
1979	---	---	---	---	140	134	81.1	64.7	51.8	47.6	---	---	86.5	1979
1980	---	---	---	145	164	297	---	---	59.0	73.4	---	---	---	1980
1981	---	---	---	80.3	273	332	291	201	66.4	47.3	---	---	202	1981
1982	---	---	---	---	73.5	233	155	57.1	47.7	56.8	---	---	103	1982
MEAN	61.3	65.7	72.3	92.4	156	290	202	121	80.8	77.6	62.1	63.0	151	MEAN

LOCATION - LAT 50 49 50 N DRAINAGE AREA, 15 700 km^2
LONG 113 25 00 W REGULATED SINCE 1908

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	416 ON JUN 13	83.3 ON OCT 31	2 910 000	1910
1913	---	646 ON JUN 13	---	---	1913
1914	---	445 ON JUN 17	---	---	1914
1956	453 AT 04:00 MST ON JUN 6	411 ON JUN 3	---	---	1956
1957	405 AT 23:30 MST ON JUN 9	348 ON JUN 9	39.1 ON SEP 2	1 920 000	1957
1958	382 AT 11:00 MST ON JUL 8	357 ON JUL 8	36.5 ON OCT 20	2 460 000	1958
1959	586 AT 07:00 MST ON JUN 28	549 ON JUN 28	54.9 ON SEP 15	2 380 000	1959
1960	328 AT 08:00 MST ON JUL 3	309 ON JUL 3	32.8 ON OCT 12	1 990 000	1960
1961	538 AT 14:00 MST ON MAY 29	524 ON MAY 29	42.8 ON SEP 16	2 360 000	1961
1962	259 AT 13:00 MST ON JUN 19	241 ON JUN 29	39.4 ON OCT 7	1 800 000	1962
1963	1 250 AT 01:00 MST ON JUL 1 *	1 070 ON JUL 1	51.5 ON MAY 1	2 580 000	1963
1964	617 AT 08:00 MST ON JUN 18	606 ON JUN 18	22.9 ON SEP 8	2 280 000	1964
1965	844 AT 04:00 MST ON JUN 19	799 ON JUN 19	67.4 ON MAY 8	3 450 000	1965
1966	566 AT 18:00 MST ON JUN 5	549 ON JUN 5	67.1 ON SEP 21	2 860 000	1966
1967	1 210 AT 12:15 MST ON MAY 31	983 ON MAY 31	59.5 ON OCT 22	3 390 000	1967
1968	365 AT 10:12 MST ON JUN 9	354 ON JUN 9	47.6 ON MAY 1	2 100 000	1968
1969	1 240 AT 07:00 MST ON JUN 30	1 130 ON JUN 30 *	40.8 ON SEP 11	3 470 000	1969
1970	833 AT 03:20 MST ON JUN 15	753 ON JUN 15	25.9 ON SEP 24	2 090 000	1970
1971	728 AT 02:05 MST ON JUN 7	705 ON JUN 7	31.4 ON SEP 25	2 090 000	1971
1972	580 AT 07:30 MST ON JUN 10	538 ON JUN 12	73.6 ON OCT 16	3 340 000	1972
1973	382 AT 22:00 MST ON JUN 26	357 ON MAY 28	27.5 ON OCT 14	2 070 000	1973
1974	682 AT 14:00 MST ON JUN 19	646 ON JUN 19	59.2 ON OCT 29	2 990 000	1974
1975	496 AT 21:00 MST ON JUN 20	447 ON JUN 21	48.1 ON OCT 27	1 920 000	1975
1976	473 AT 14:30 MST ON AUG 6	402 ON AUG 6	---	---	1976
1977	217 AT 08:30 MST ON JUN 10	197 ON JUN 10	18.4 ON OCT 24 *	1 130 000	1977
1978	396 AT 08:30 MST ON JUN 7	382 ON JUN 10	71.4 ON OCT 31	2 390 000	1978
1979	255 AT 01:00 MST ON MAY 28	242 ON MAY 28	41.2 ON SEP 27	1 370 000	1979
1980	500 AT 20:00 MST ON MAY 27	440 ON MAY 27	---	---	1980
1981	749 AT 03:50 MST ON MAY 27	734 ON MAY 27	24.8 ON OCT 19	3 210 000	1981
1982	366 AT 08:44 MST ON JUN 30	327 ON JUN 30	25.3 ON SEP 21	1 650 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 410 000	MEAN

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	290	231	129	86.9	51.9	48.2	---	---	1933
1934	---	---	---	65.8	193	213	140	105	74.9	49.1	39.4	---	---	1934
1935	---	31.2	31.1	40.3	74.4	243	234	137	76.6	49.1	35.6	34.1	---	1935
1936	---	---	---	26.8	115	206	131	100	61.6	39.1	32.3	---	---	1936
1937	---	---	---	31.1	49.0	175	166	119	75.8	55.9	51.7	27.7	---	1937
1938	29.9	27.4	27.1	31.2	113	300	209	100	83.0	53.9	40.2	27.4	87.1	1938
1939	28.6	30.8	26.0	34.2	95.1	162	182	112	77.0	54.4	48.4	38.5	74.4	1939
1940	31.0	30.2	27.7	31.7	125	173	134	97.8	98.9	56.3	34.6	32.9	72.9	1940
1941	27.1	25.7	33.6	37.2	42.6	134	107	96.6	69.3	49.5	33.1	29.2	57.2	1941
1942	20.9	29.4	28.8	38.8	88.1	190	199	133	87.4	62.1	44.3	49.5	81.3	1942
1943	46.9	40.3	45.2	72.6	77.2	143	240	117	64.9	54.3	51.0	45.4	83.6	1943
1944	41.6	38.5	41.0	59.7	50.8	166	104	112	72.4	48.5	45.5	41.9	68.4	1944
1945	44.5	35.2	35.4	47.3	56.0	197	163	96.2	67.7	51.5	47.2	46.1	74.0	1945
1946	47.8	44.0	39.6	53.1	116	222	158	103	95.4	63.6	48.5	51.9	87.1	1946
1947	47.2	42.7	45.9	66.2	142	255	182	96.6	84.2	79.9	61.1	53.1	96.6	1947
1948	49.3	51.4	47.2	64.2	193	323	178	164	87.1	57.3	53.4	46.3	110	1948
1949	50.0	38.8	40.7	52.5	88.4	126	93.3	85.8	60.8	51.4	42.6	35.3	64.0	1949
1950	33.1	25.5	29.7	30.4	46.8	201	189	100	74.9	58.0	57.6	46.2	74.6	1950
1951	50.9	50.5	48.8	52.4	131	212	295	158	141	96.4	79.0	72.3	116	1951
1952	62.8	56.4	52.0	88.8	122	203	179	130	83.4	64.5	56.6	55.3	96.1	1952
1953	59.6	58.0	54.8	79.4	89.2	240	215	106	85.3	67.7	67.1	55.6	98.3	1953
1954	61.9	52.3	52.9	86.1	93.4	218	247	179	142	83.8	75.2	68.7	114	1954
1955	63.9	66.2	64.0	67.9	92.8	154	172	98.0	72.2	55.2	61.6	61.3	85.8	1955
1956	70.1	66.6	61.6	82.1	98.3	207	155	104	79.7	70.7	53.6	51.0	91.7	1956
1957	48.9	53.2	56.4	61.8	130	148	108	81.8	67.4	63.1	50.5	54.7	77.1	1957
1958	62.5	77.3	66.8	77.8	108	167	154	103	71.0	70.8	63.3	59.1	90.2	1958
1959	68.6	62.8	44.9	65.5	71.0	188	158	103	84.4	64.6	57.1	69.5	86.5	1959
1960	66.3	58.8	54.1	66.7	71.1	123	158	106	69.5	58.8	57.3	56.0	78.9	1960
1961	50.3	56.5	50.0	66.0	107	236	126	121	77.4	76.4	70.9	78.6	93.1	1961
1962	73.8	73.1	77.2	82.3	77.7	149	144	111	81.1	---	---	---	---	1962
1968	70.5	66.0	50.8	39.4	59.8	174	148	102	97.3	79.3	38.8	44.2	80.9	1968
1969	63.4	54.2	46.2	51.4	133	239	209	118	86.9	67.7	53.3	49.8	97.8	1969
1970	50.2	50.5	43.2	49.4	68.7	168	132	91.7	71.0	62.2	58.6	58.8	75.4	1970
1971	47.4	33.1	41.2	38.0	99.4	197	140	135	79.9	67.5	50.1	46.4	81.5	1971
1972	56.0	47.4	47.0	43.2	88.9	292	231	154	100	67.5	49.6	57.5	103	1972
1973	51.1	59.2	55.1	47.6	96.3	190	172	99.6	66.6	50.6	55.2	53.2	83.2	1973
1974	56.9	56.2	57.0	63.8	94.8	273	208	150	101	47.5	45.5	57.1	101	1974
1975	62.3	56.3	54.4	45.6	73.9	127	140	89.5	66.6	39.9	49.5	55.4	71.8	1975
1976	57.2	56.8	53.9	53.0	124	151	176	166	128	70.0	56.5	44.6	95.0	1976
1977	59.5	56.9	44.5	43.8	62.4	120	88.7	90.2	70.0	49.8	48.9	49.4	65.3	1977
1978	---	---	---	---	85.2	174	157	101	86.0	68.1	---	---	---	1978
1979	64.0	71.5	67.5	59.0	84.0	125	106	87.9	73.1	43.5	33.2	37.2	71.0	1979
1980	---	---	---	---	133	215	110	88.5	69.0	60.4	---	---	---	1980
1981	---	---	---	---	157	214	250	196	99.1	53.7	---	---	---	1981
1982	---	---	---	---	69.7	187	153	95.1	75.4	57.6	---	---	---	1982
MEAN	52.1	49.5	47.1	54.9	97.4	196	168	115	82.7	60.1	51.2	49.8	85.3	MEAN

LOCATION - LAT 51 12 50 N LONG 114 36 40 W DRAINAGE AREA, 6 550 km^2 REGULATED SINCE 1911

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	606 AT 22:30 MST ON JUN 17 *	575 ON JUN 18 *	---	---	1933
1934	498 AT 10:30 MST ON JUN 1	425 ON JUN 1	---	---	1934
1935	396 AT 10:00 MST ON JUN 17	374 ON JUN 17	---	---	1935
1936	442 AT 22:00 MST ON JUN 2	422 ON JUN 2	---	---	1936
1937	297 AT 11:00 MST ON JUN 18	267 ON JUN 18	---	---	1937
1938	484 AT 11:30 MST ON JUN 23	416 ON JUN 23	4.25 ON DEC 25	2 750 000	1938
1939	314 AT 23:00 MST ON JUL 2	297 ON JUL 2	4.19 ON MAR 26	2 350 000	1939
1940	357 AT 11:00 MST ON MAY 25	289 ON MAY 25	4.05 ON FEB 11 *	2 300 000	1940
1941	205 AT 22:30 MST ON JUN 15	172 ON JUN 16	8.72B ON FEB 8	1 810 000	1941
1942	343 AT 11:30 MST ON JUN 9	292 ON JUN 9	5.10A ON JAN 24	2 560 000	1942
1943	408 AT 10:30 MST ON JUL 16	317 ON JUL 11	12.2 A ON JAN 31	2 640 000	1943
1944	248 AT 11:00 MST ON JUN 2	212 ON JUN 14	12.0 ON DEC 3	2 160 000	1944
1945	365 AT 10:30 MST ON MAY 31	281 ON JUN 22	6.71 ON MAR 25	2 330 000	1945
1946	385 AT 11:30 MST ON MAY 29	337 ON MAY 29	15.5 ON FEB 24	2 750 000	1946
1947	382 AT 11:00 MST ON JUN 12	337 ON JUN 12	21.8 ON MAR 9	3 050 000	1947
1948	595 AT 09:20 MST ON MAY 24	547 ON MAY 25	11.3 ON MAR 21	3 470 000	1948
1949	---	198 ON JUN 8	9.68 ON MAR 20	2 020 000	1949
1950	456 AT 10:30 MST ON JUN 23	394 ON JUN 23	6.43A ON MAY 14	2 350 000	1950
1951	450 AT 16:00 MST ON JUL 6	396 ON JUL 7	9.23A ON MAR 4	3 660 000	1951
1952	374 AT 14:00 MST ON JUN 23	303 ON JUN 23	16.0 ON SEP 7	3 040 000	1952
1953	479 AT 18:00 MST ON JUN 13	433 ON JUN 14	5.61 ON OCT 11	3 100 000	1953
1954	402 AT 15:00 MST ON AUG 25	343 ON JUL 7	23.6 B ON FEB 21	3 590 000	1954
1955	405 AT 14:00 MST ON JUN 24	340 ON JUN 25	10.5 ON NOV 26	2 710 000	1955
1956	331 AT 21:00 MST ON JUN 6	317 ON JUN 7	8.92 ON SEP 30	2 900 000	1956
1957	286 AT 17:00 MST ON JUN 8	244 ON JUN 8	26.3 ON NOV 24	2 430 000	1957
1958	227 AT 17:00 MST ON JUL 7	220 ON JUN 12	32.6 ON NOV 16	2 840 000	1958
1959	286 AT 02:00 MST ON JUN 28	275 ON JUN 27	34.0 ON MAR 27	2 730 000	1959
1960	297 AT 05:00 MST ON JUL 2	230 ON JUL 2	29.7 ON MAY 10	2 500 000	1960
1961	365 AT 06:00 MST ON JUN 7	357 ON JUN 7	33.1 ON FEB 5	2 940 000	1961
1962	234 AT 07:00 MST ON JUN 28	233 ON JUN 28	---	---	1962
1968	242 AT 14:30 MST ON JUN 12	239 ON JUN 13	26.9 ON DEC 2	2 560 000	1968
1969	317 AT 14:01 MST ON JUN 29	300 ON JUN 7	28.3 ON APR 5	3 080 000	1969
1970	260 AT 18:06 MST ON JUN 16	250 ON JUN 17	22.8 ON APR 12	2 380 000	1970
1971	343 AT 16:00 MST ON JUN 8	320 ON JUN 8	25.5 ON APR 11	2 570 000	1971
1972	476 AT 12:30 MST ON JUL 3	405 ON JUL 3	30.0 ON APR 2	3 260 000	1972
1973	374 AT 11:00 MST ON JUN 25	314 ON JUN 26	36.2 ON APR 22	2 630 000	1973
1974	518 AT 13:30 MST ON JUN 26	504 ON JUN 26	33.4 ON JAN 25	3 190 000	1974
1975	204 AT 11:00 MST ON AUG 2	202 ON JUL 16	30.0 ON OCT 26	2 260 000	1975
1976	257 AT 14:00 MST ON AUG 6	244 ON AUG 6	36.2 ON APR 4	3 000 000	1976
1977	198 AT 14:00 MST ON JUN 22	193 ON JUN 10	33.7 ON OCT 23	2 060 000	1977
1978	237 AT 10:00 MST ON JUN 11	235 ON JUN 11	---	---	1978
1979	259 AT 10:00 MST ON JUN 22	151 ON JUN 15	29.2 ON DEC 1	2 240 000	1979
1980	298 AT 12:00 MST ON JUN 19	295 ON JUN 19	---	---	1980
1981	406 AT 08:25 MST ON MAY 28	402 ON MAY 28	39.7 ON OCT 23	---	1981
1982	268 AT 04:24 MST ON JUN 24	266 ON JUN 24	---	---	1982
				2 690 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	15.0	6.58	3.37	---	---	---	1973
1974	---	---	---	---	4.31	28.1	26.0	17.4	8.53	3.09	---	---	14.5	1974
1975	---	---	---	---	3.68	16.8	25.3	13.3	6.58	3.31	---	---	11.5	1975
1976	---	---	---	---	10.7	14.2	28.0	22.0	15.0	4.33	---	---	15.7	1976
MEAN	---	---	---	---	6.23	19.7	26.4	16.9	9.17	3.53	---	---	13.9	MEAN

LOCATION - LAT 51 32 30 N, LONG 116 17 40 W

DRAINAGE AREA, 280 km^2
NATURAL FLOW

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	60.0 AT 01:40 MST ON JUN 25 *	58.0 ON JUN 24 *	2.16 ON MAY 1	231 000	1974
1975	36.8 AT 03:30 MST ON JUL 14	36.2 ON JUL 14	0.850E ON MAY 1 *	183 000	1975
1976	36.2 AT 00:30 MST ON JUL 10	35.7 ON JUL 9	1.80 ON MAY 1	250 000	1976
				221 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.007	0.079	0.109	0.059	0.021	0.098	---	---	0.062	1957
1958	---	---	---	---	0.053	0.103	0.133	0.054	0.034	0.066	---	---	0.074	1958
1959	---	---	---	---	0.007	0.126	0.262	0.078	0.038	0.028	---	---	0.090	1959
1960	---	---	---	---	0.008	0.280	0.359	0.092	0.065	0.097	---	---	0.150	1960
1961	---	---	---	---	0.092	0.313	0.436	0.057	0.129	0.141	---	---	0.194	1961
1962	---	---	---	---	0.034	0.345	0.274	0.048	0.047	0.029	---	---	0.129	1962
1963	---	---	---	---	0.085	0.459	0.091	0.182	0.123	0.136	---	---	0.178	1963
1964	---	---	---	---	0.016	0.366	0.465	0.297	0.152	0.177	---	---	0.245	1964
1965	---	---	---	---	0.014	0.215	0.268	0.289	0.170	0.083	---	---	0.173	1965
1966	---	---	---	---	0.010	0.263	0.494	0.170	0.094	0.183	---	---	0.203	1966
1972	---	---	---	---	0.036	0.132	0.399	0.198	0.084	0.139	---	---	0.165	1972
1973	---	---	---	---	0.100	0.179	0.350	0.213	0.215	0.098	---	---	0.192	1973
1974	---	---	---	---	0.038	0.284	0.719	0.446	0.096	0.191	---	---	0.297	1974
1975	---	---	---	---	---	0.053	---	---	0.133	0.122	---	---	---	1975
1976	---	---	---	---	0.069	0.414	0.493	0.265	0.143	0.147	---	---	0.255	1976
1977	---	---	---	---	0.225	0.328	0.530	0.312	0.119	0.099	---	---	0.269	1977
1978	---	---	---	---	0.050	0.117	0.475	0.265	0.041	0.076	---	---	0.172	1978
1979	---	---	---	---	0.046	0.336	0.611	0.382	0.035	0.123	---	---	0.256	1979
1980	---	---	---	---	0.406	0.402	0.721	0.260	0.081	0.127	---	---	0.334	1980
1981	---	---	---	---	0.064	0.272	1.00	0.262	0.267	0.150	---	---	0.337	1981
1982	---	---	---	---	0.025	0.352	0.647	0.344	0.094	0.146	---	---	0.269	1982
MEAN	---	---	---	---	0.069	0.258	0.442	0.214	0.104	0.117	---	---	0.202	MEAN

LOCATION - LAT 50 00 05 N
LONG 111 43 57 W REGULATED

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.566 ON OCT 26	0 ON OCT 23 *	990	1957
1958	---	0.527 ON JUL 14	0 ON OCT 21	1 170	1958
1959	---	0.909 ON JUN 27	0 ON JUN 2	1 430	1959
1960	---	0.631 ON JUL 4	0.003 ON MAY 22	2 380	1960
1961	---	0.725 ON JUL 10	0 ON MAY 1	3 090	1961
1962	---	0.841 ON JUN 14	0 E ON MAY 1	2 050	1962
1963	---	1.27 ON JUN 22	0.011 ON MAY 12	2 830	1963
1964	---	0.810 ON JUL 6	0.006 ON MAY 18	3 910	1964
1965	---	1.35 ON JUN 17	0 ON MAY 12	2 750	1965
1966	---	1.33 ON JUL 25	0.003 ON MAY 12	3 220	1966
1972	---	0.498 ON JUL 15	0.020 ON AUG 29	2 630	1972
1973	---	0.510 ON JUL 17	0.021 ON JUN 26	3 060	1973
1974	---	0.869 ON JUL 19	0.025E ON MAY 7	4 730	1974
1975	---	---	---	---	1975
1976	---	0.736 ON JUN 7	0 ON MAY 13	4 050	1976
1977	---	0.748 ON JUL 1	0 ON MAY 1	4 280	1977
1978	---	0.776 ON JUL 23	0 ON JUN 5	2 730	1978
1979	---	0.896 ON JUL 15	0 ON MAY 31	4 080	1979
1980	---	1.38 ON MAY 25	0 ON MAY 1	5 310	1980
1981	---	1.53 ON JUL 26 *	0 ON MAY 1	5 370	1981
1982	---	1.38 ON JUL 2	0.014 ON MAY 25	4 270	1982
MEAN				3 220	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.019	0.403	0.274	0.107	0.029	0.051	---	---	0.146	1958
1959	---	---	---	---	0	0.232	0.333	0.205	0.047	0.060	---	---	0.146	1959
1960	---	---	---	---	0.004	0.184	0.502	0.314	0.053	0.123	---	---	0.198	1960
1961	---	---	---	---	0.072	0.605	0.949	0.312	0.224	0.138	---	---	0.383	1961
1962	---	---	---	---	0.068	0.474	0.475	0.407	0.163	0.222	---	---	0.301	1962
1963	---	---	---	---	0.149	1.07	0.306	0.375	0.244	0.226	---	---	0.393	1963
1964	---	---	---	---	0.020	0.589	0.553	0.618	0.156	0.234	---	---	0.362	1964
1965	---	---	---	---	0	0.112	0.378	0.494	0.101	0.152	---	---	0.207	1965
1966	---	---	---	---	0.010	0.211	0.579	0.306	0.224	0.175	---	---	0.251	1966
1967	---	---	---	---	0	0.021	0.875	0.624	0.348	0.349	---	---	0.371	1967
1968	---	---	---	---	0.135	0.448	0.836	0.536	0.331	0.245	---	---	0.422	1968
1969	---	---	---	---	0.082	0.712	0.710	0.915	0.747	0.395	---	---	0.592	1969
1970	---	---	---	---	0.409	0.768	0.711	0.883	0.495	0.276	---	---	0.590	1970
1971	---	---	---	---	0.050	0.593	1.04	0.720	0.623	0.228	---	---	0.541	1971
1972	---	---	---	---	0.131	0.741	0.791	0.820	0.583	0.296	---	---	0.559	1972
1973	---	---	---	---	0.391	0.786	0.986	0.880	0.602	0.402	---	---	0.674	1973
1974	---	---	---	---	0.013	0.624	0.936	0.694	0.601	0.430	---	---	0.549	1974
1975	---	---	---	---	0.067	0.173	1.06	0.984	0.877	0.471	---	---	0.606	1975
1976	---	---	---	---	0.298	1.08	1.17	1.28	0.934	0.777	---	---	0.922	1976
1977	---	---	---	---	0.674	0.970	0.937	0.749	0.524	0.240	---	---	0.682	1977
1978	---	---	---	---	0.010	0.241	1.11	0.807	0.195	1.03	---	---	0.570	1978
1979	---	---	---	---	0.006	0.789	1.09	0.843	0.689	0.434	---	---	0.641	1979
1980	---	---	---	---	0.654	0.680	1.05	0.984	0.896	0.340	---	---	0.767	1980
1981	---	---	---	---	0.117	1.12	1.24	1.17	1.04	0.597	---	---	0.878	1981
1982	---	---	---	---	0.215	0.769	1.12	1.11	0.944	0.404	---	---	0.760	1982
MEAN	---	---	---	---	0.144	0.576	0.800	0.685	0.467	0.332	---	---	0.500	MEAN

LOCATION - LAT 50 11 40 N
LONG 112 02 50 W REGULATED

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.742 ON JUN 28	0.003 ON MAY 5	2 330	1958
1959	---	1.59 ON JUN 27	0 ON MAY 1 *	2 330	1959
1960	---	0.770 ON AUG 1	0 ON MAY 11	3 140	1960
1961	---	1.47 ON JUL 12	0 ON MAY 1	6 090	1961
1962	---	1.68 ON JUN 14	0 ON MAY 1	4 790	1962
1963	---	10.1 ON JUN 22 *	0 ON MAY 1	6 240	1963
1964	---	1.98 ON JUN 16	0 ON MAY 12	5 750	1964
1965	---	1.38 ON JUL 26	0 E ON MAY 1	3 290	1965
1966	---	4.47 ON JUL 15	0 ON MAY 17	4 000	1966
1967	---	1.06 ON JUL 13	0 ON MAY 1	5 900	1967
1968	---	2.35 ON JUN 30	0 ON MAY 1	6 700	1968
1969	---	1.63 ON JUL 21	0 ON MAY 1	9 420	1969
1970	---	3.06 ON JUN 13	0.003E ON MAY 1	9 370	1970
1971	---	1.67 ON JUL 10	0 ON MAY 1	8 600	1971
1972	---	1.21 ON JUL 14	0 ON MAY 1	8 890	1972
1973	---	2.33 ON JUN 15	0 ON MAY 1	10 700	1973
1974	---	1.23 ON JUL 22	0 ON MAY 1	8 740	1974
1975	---	1.84 ON JUL 31	0 ON MAY 18	9 640	1975
1976	---	2.16 ON JUL 1	0 ON MAY 1	14 700	1976
1977	---	1.55 ON SEP 22	0 ON MAY 1	10 800	1977
1978	---	1.71 ON OCT 22	0 ON MAY 19	9 060	1978
1979	---	1.59 ON JUL 29	0 ON MAY 27	10 200	1979
1980	---	2.08 ON MAY 25	0.001 ON MAY 1	12 200	1980
1981	---	2.75 ON JUN 14	0 ON MAY 1	14 000	1981
1982	---	2.53 ON JUL 2	0 ON MAY 1	12 100	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 960	MEAN

E - ESTIMATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	0.056	0.245	0.168	0.273	0.291	0.182	---	---	0.202	1970
1971	---	---	---	---	0.026	0.180	0.180	0.163	0.176	0.096	---	---	0.136	1971
1972	---	---	---	---	0.038	0.174	0.245	0.161	0.104	0.071	---	---	0.132	1972
1973	---	---	---	---	0.109	0.233	0.272	0.266	0.109	0.104	---	---	0.182	1973
1974	---	---	---	---	0.029	0.119	0.238	0.315	0.172	0.126	---	---	0.167	1974
1975	---	---	---	---	0.149	0.116	0.290	0.332	0.251	0.095	---	---	0.206	1975
1976	---	---	---	---	0.124	0.202	0.276	0.273	0.286	0.149	---	---	0.218	1976
1977	---	---	---	---	0.223	0.188	0.219	0.255	0.168	0.063	---	---	0.186	1977
1978	---	---	---	---	0.015	0.068	0.195	0.259	0.074	0.119	---	---	0.122	1978
1979	---	---	---	---	0.004	0.251	0.351	0.317	0.285	0.126	---	---	0.222	1979
1980	---	---	---	---	0.121	0.127	0.178	0.250	0.187	0.090	---	---	0.159	1980
1981	---	---	---	---	0.095	0.249	0.247	0.236	0.185	0.085	---	---	0.183	1981
1982	---	---	---	---	0.103	0.229	0.227	0.226	0.200	0.079	---	---	0.177	1982
MEAN	---	---	---	---	0.084	0.183	0.237	0.256	0.191	0.107	---	---	0.176	MEAN

LOCATION - LAT 50 11 43 N
LONG 112 05 18 W REGULATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.900 ON JUN 13	0E ON MAY 1 *	3 210	1970
1971	---	0.456 ON AUG 25	0 ON MAY 1	2 160	1971
1972	---	0.377 ON JUN 23	0 ON MAY 1	2 100	1972
1973	---	0.733 ON JUN 15	0 ON MAY 1	2 900	1973
1974	---	0.501 ON AUG 20	0 ON MAY 2[illegible]	2 650	1974
1975	---	0.513 ON MAY 6	0 ON JUN 3	3 270	1975
1976	---	0.572 ON JUL 1	0 ON MAY 1	3 470	1976
1977	---	0.473 ON MAY 11	0 ON MAY 1	2 960	1977
1978	---	1.04 ON AUG 23 *	0 ON JUN 4	1 940	1978
1979	---	0.727 ON AUG 4	0A ON OCT 30	3 530	1979
1980	---	0.795 ON MAY 25	0 ON JUN 7	2 530	1980
1981	---	0.451 ON JUN 14	0 ON MAY 1	2 900	1981
1982	---	0.517 ON MAY 27	0 ON MAY 1	2 810	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.016	0.024	0.019	0.017	0.093	0.100	---	---	0.045	1958
1959	---	---	---	---	0.034	0.070	0.284	0.339	0.162	0.408	---	---	0.217	1959
1960	---	---	---	---	0.047	0.305	0.278	0.145	0.073	0.247	---	---	0.182	1960
1961	---	---	---	---	0.268	0.172	0.196	0.103	0.154	0.365	---	---	0.210	1961
1962	---	---	---	---	0.195	0.270	0.066	0.290	0.329	0.182	---	---	0.221	1962
1963	---	---	---	---	0.230	0.902	0.705	0.547	0.524	0.282	---	---	0.530	1963
1964	---	---	---	---	0.022	0.517	0.136	0.634	0.095	0.146	---	---	0.258	1964
1965	---	---	---	---	0.011	0.522	0.213	0.491	0.439	0.204	---	---	0.312	1965
1966	---	---	---	---	0.017	0.510	1.07	1.02	0.702	0.484	---	---	0.633	1966
1968	---	---	---	---	---	---	---	0.474	0.425	0.312	---	---	---	1968
1969	---	---	---	---	---	0.738	0.532	0.264	0.452	0.597	---	---	---	1969
1970	---	---	---	---	0.202	0.865	0.629	0.660	0.390	0.555	---	---	0.599	1970
1971	---	---	---	---	0.187	0.661	1.19	1.03	0.578	0.291	---	---	0.650	1971
1972	---	---	---	---	0.050	0.769	0.539	0.608	0.630	0.739	---	---	0.554	1972
1973	---	---	---	---	0.125	0.588	0.679	0.739	0.739	0.633	---	---	0.583	1973
1974	---	---	---	---	0.239	0.774	1.14	1.17	1.03	0.708	0.103	---	0.843	1974
1975	---	---	---	---	0.181	0.686	0.617	1.83	1.36	0.925	---	---	0.925	1975
1976	---	---	---	---	0.639	1.33	1.35	1.96	0.647	1.00	---	---	1.16	1976
1977	---	---	---	---	0.735	0.881	1.40	1.25	1.04	0.842	---	---	1.03	1977
1978	---	---	---	---	0.103	0.980	1.49	2.08	0.959	1.72	---	---	1.22	1978
1979	---	---	---	---	0.059	1.27	0.738	1.55	0.683	1.11	---	---	0.901	1979
1980	---	---	---	---	0.775	0.921	1.66	2.32	1.09	0.686	---	---	1.28	1980
1981	---	---	---	---	0.800	1.25	1.91	1.82	1.03	1.29	---	---	1.35	1981
1982	---	---	---	---	0.358	1.95	2.41	2.56	1.72	1.17	---	---	1.69	1982
MEAN	---	---	---	---	0.239	0.735	0.837	0.996	0.639	0.625	0.103	---	0.696	MEAN

LOCATION - LAT 50 17 25 N
LONG 112 10 52 W   REGULATED

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.170 ON OCT 18	0 ON JUL 12 *	712	1958
1959	---	0.875 ON OCT 15	0.003 ON JUN 15	3 450	1959
1960	---	0.680 ON JUN 25	0.003 ON SEP 11	2 900	1960
1961	---	0.801 ON MAY 16	0.006 ON AUG 23	3 340	1961
1962	---	1.08 ON AUG 4	0 ON JUN 30	3 520	1962
1963	---	2.18 ON JUN 30	0.006 ON MAY 3	8 420	1963
1964	---	1.46 ON JUN 15	0 E ON MAY 1	4 100	1964
1965	---	1.79 ON JUN 26	0 ON MAY 8	4 960	1965
1966	---	2.02 ON JUL 6	0 ON MAY 11	10 100	1966
1968	---	---	---	---	1968
1969	---	1.34 ON JUN 12	---	---	1969
1970	---	3.00 ON JUN 16	0.042E ON MAY 1	8 730	1970
1971	---	2.27 ON JUL 12	0.059A ON MAY 4	10 300	1971
1972	---	1.63 ON JUN 30	0.020 ON MAY 16	8 800	1972
1973	---	1.28 ON JUN 19	0.008 ON MAY 10	9 270	1973
1974	---	2.29 A ON JUL 14	0.136 ON MAY 14	13 400	1974
1975	---	2.68 ON JUN 20	0.034E ON JUN 11	14 700	1975
1976	---	3.43 ON AUG 10	0.028 ON MAY 3	18 400	1976
1977	---	2.66 ON JUL 31	0.031 ON MAY 3	16 300	1977
1978	---	3.26 ON AUG 23	0.057A ON MAY 18	19 500	1978
1979	---	2.64 ON AUG 1	0.021 ON MAY 27	14 300	1979
1980	---	3.23 ON AUG 10	0.074 ON MAY 2	19 800	1980
1981	---	3.53 ON AUG 23	0.035 ON MAY 1	21 500	1981
1982	---	3.73 ON JUL 3 *	0.049 ON MAY 22	26 900	1982
MEAN				11 100	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.010	0.218	0.207	0.148	0.135	0.057	---	---	0.127	1958
1959	---	---	---	---	0	0.135	0.139	0.149	0.142	0.067	---	---	0.105	1959
1960	---	---	---	---	0	0.077	0.469	0.271	0.091	0.199	---	---	0.186	1960
1961	---	---	---	---	0.019	0.279	0.483	0.221	0.354	0.177	---	---	0.255	1961
1962	---	---	---	---	0.023	0.425	0.537	0.330	0.090	0.188	---	---	0.266	1962
1963	---	---	---	---	0.040	0.103	0.426	0.487	0.289	0.217	---	---	0.261	1963
1964	---	---	---	---	0	0.254	0.512	0.456	0.407	0.201	---	---	0.305	1964
1965	---	---	---	---	0.002	0.312	0.316	0.465	0.086	0.153	---	---	0.223	1965
1966	---	---	---	---	0.011	---	---	0.282	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	0.553	0.280	0.365	---	---	---	1967
1968	---	---	---	---	0.131	0.256	0.564	0.460	0.302	0.269	---	---	0.331	1968
1969	---	---	---	---	0.007	0.379	0.413	0.484	0.387	0.427	---	---	0.349	1969
1970	---	---	---	---	0.032	0.309	0.662	0.847	0.538	0.511	---	---	0.484	1970
1971	---	---	---	---	---	---	---	---	---	0.325	---	---	---	1971
1972	---	---	---	---	0.190	0.216	0.564	0.603	0.312	0.374	---	---	0.378	1972
1973	---	---	---	---	0.160	0.286	0.527	0.637	0.358	0.329	---	---	0.384	1973
1974	---	---	---	---	0.002	0.334	0.550	0.872	0.569	0.371	0.030	---	0.450	1974
1975	---	---	---	---	0.008	0.438	0.518	0.772	0.263	0.348	---	---	0.391	1975
1976	---	---	---	---	0.176	0.718	0.642	0.701	[illegible]	0.190	---	---	0.450	1976
1977	---	---	---	---	0.348	0.698	0.728	0.928	[illegible]	0.165	---	---	0.532	1977
1978	---	---	---	---	0.188	0.272	0.353	0.290	0.220	0.338	---	---	0.270	1978
1979	---	---	---	---	0.026	0.663	0.838	0.738	0.224	0.181	---	---	0.445	1979
1980	---	---	---	---	0.353	0.596	0.808	0.694	0.261	0.188	---	---	0.483	1980
1981	---	---	---	---	0.062	0.662	0.935	0.708	0.496	0.470	---	---	0.555	1981
1982	---	---	---	---	0.120	0.692	0.945	0.889	0.276	0.255	---	---	0.530	1982
MEAN	---	---	---	---	0.081	0.378	0.551	0.581	0.290	0.265	0.030	---	0.353	MEAN

LOCATION - LAT 49 55 00 N
LONG 111 43 40 W REGULATED

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.385 ON JUL 6	0 ON MAY 1 *	2 020	1958
1959	---	0.634 ON JUN 27	0 ON MAY 1	1 670	1959
1960	---	0.765 ON JUL 23	0 ON MAY 1	2 960	1960
1961	---	0.782 ON JUL 17	0 ON MAY 1	4 050	1961
1962	---	0.980 ON JUL 13	0 ON MAY 1	4 220	1962
1963	---	0.623 ON JUL 6	0 ON MAY 1	4 150	1963
1964	---	0.708 ON JUL 16	0 ON MAY 1	4 850	1964
1965	---	0.827 ON AUG 5	0 E ON MAY 5	3 540	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	0.889 ON AUG 9	0 ON MAY 1	5 260	1968
1969	---	0.833 ON AUG 11	0 ON MAY 1	5 550	1969
1970	---	1.03 ON AUG 13	0 E ON MAY 1	7 690	1970
1971	---	---	---	---	1971
1972	---	1.39 ON MAY 25	0 ON MAY 17	6 010	1972
1973	---	0.988 ON AUG 21	0 ON MAY 1	6 100	1973
1974	---	1.21 ON AUG 4	0.001 ON MAY 9	7 180	1974
1975	---	1.02 ON JUN 20	0.003E ON MAY 1	6 210	1975
1976	---	1.01 ON JUN 15	0.001 ON MAY 1	7 160	1976
1977	---	1.19 ON AUG 8	0.017 ON MAY 1	8 460	1977
1978	---	0.793 ON OCT 12	0.028 ON MAY 1	6 300	1978
1979	---	1.23 ON JUN 23	0 ON MAY 1	7 090	1979
1980	---	1.30 ON AUG 4	0 ON MAY 1	7 680	1980
1981	---	1.42 ON JUL 21 *	0 ON MAY 1	8 830	1981
1982	---	1.18 ON AUG 10	0 ON MAY 15	8 420	1982
MEAN				5 610	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	0	0	0	2.32	1.17	2.92	---	0.792	1918
1919	---	---	---	1.34	2.85	4.83	5.38	8.99	9.38	5.41	0	---	4.79	1919
1920	---	---	---	0	0	0	2.02	7.37	8.36	8.55	2.04	---	3.56	1920
1921	---	---	---	0	1.11	4.61	9.98	6.97	9.58	10.4	0.219	---	5.38	1921
1922	---	---	---	0	0	1.88	4.71	5.77	5.62	5.79	1.47	---	3.17	1922
1923	---	---	---	0	0.662	0.335	3.61	5.57	4.76	0.561	0	---	1.95	1923
1924	---	---	---	0	1.14	3.20	4.77	5.40	5.16	1.57	0	---	2.66	1924
1925	---	---	---	0	0	0.034	0	0	0	0	0	---	0.004	1925
1926	---	---	---	1.33	8.85	1.23	6.23	7.37	0	0	0	---	3.15	1926
1927	---	---	---	0	0	0	0	0	0.319	4.37	0.958	---	0.712	1927
1928	---	---	---	0.897	4.60	4.58	0.615	0.299	4.62	5.25	0.226	---	2.64	1928
1929	---	---	---	1.02	4.98	0.573	4.34	7.33	6.91	6.85	1.63	---	4.23	1929
1930	---	---	---	4.73	7.05	6.27	6.67	6.29	6.24	3.20	0	---	5.07	1930
1931	---	---	---	3.09	6.63	6.43	6.82	6.54	6.65	6.82	3.43	---	5.82	1931
1932	---	---	---	0	1.15	5.72	6.54	6.63	6.94	2.86	0	---	3.74	1932
1933	---	---	---	0	0	3.68	3.91	7.45	7.70	4.82	0	---	3.40	1933
1934	---	---	---	2.46	6.91	7.16	6.91	7.45	7.62	7.82	5.72	---	6.52	1934
1935	---	---	---	0.110	5.44	6.51	6.43	6.26	6.48	0	0	---	3.91	1935
1936	---	---	---	0	0	0	6.38	8.01	8.58	7.51	0	---	3.83	1936
1937	---	---	---	0	3.43	8.16	6.97	6.94	8.50	7.50	2.80	---	5.55	1937
1938	---	---	---	0	0	3.31	8.48	0	0	7.67	3.79	---	2.92	1938
1939	---	---	---	1.50	8.67	6.51	7.45	8.47	3.57	4.67	8.52	---	6.19	1939
1940	---	---	---	0	1.16	6.88	7.33	5.72	0	3.96	0	---	3.13	1940
1941	---	---	---	0	0.286	6.57	10.0	10.6	10.4	9.34	1.76	---	6.14	1941
1942	---	---	---	0	0	1.53	5.58	6.48	6.99	6.12	0.900	---	3.47	1942
1943	---	---	---	0.663	5.58	6.29	6.50	6.97	7.87	6.12	0	---	5.03	1943
1944	---	---	---	0.453	7.50	9.85	7.36	8.61	8.10	2.12	0.572	---	5.58	1944
1945	---	---	---	0.663	5.41	6.29	6.58	6.94	7.87	6.12	0	---	5.00	1945
1946	---	---	---	0	0	0.665	3.37	8.98	10.7	10.6	4.98	---	4.93	1946
1947	---	---	---	1.29	1.15	6.91	8.52	8.10	1.43	0.830	0	---	3.55	1947
1948	---	---	---	0	0	0	2.16	4.39	6.06	6.63	0.595	---	2.49	1948
1949	---	---	---	0	1.91	7.75	8.28	7.81	10.7	10.6	3.66	---	6.34	1949
1950	---	---	---	0	0	6.86	8.13	8.24	3.72	0	0	---	3.38	1950
1951	---	---	---	0	0	0	0	0	0	0	0	---	0	1951
1952	---	---	---	0	0	0	0.207	0	0	0	0	---	0.026	1952
1953	---	---	---	0	0	0	1.42	6.56	2.70	8.55	11.0	---	3.79	1953
1954	---	---	---	6.28	17.0	30.8	30.7	9.91	0	0	0	---	11.9	1954
1955	---	---	---	0	0	0	4.24	22.4	11.4	0.010	0	---	4.79	1955
1956	---	---	---	0	0.057	0.652	22.1	2.15	0.003	0.097	0	---	3.18	1956
1957	---	---	---	0	0.066	13.3	35.0	29.2	4.70	0.006	0.001	---	9.10	1957
1958	---	---	---	0	0.013	0.920	19.4	22.1	21.3	2.62	0	---	8.33	1958
1959	---	---	---	0	0.005	2.11	13.6	23.9	22.9	0.057	0	---	7.84	1959
1960	---	---	---	0	0	0	15.3	15.6	30.6	21.9	0.003	---	10.5	1960
1961	---	---	---	0.001	0.11	33.6	35.5	36.9	24.5	0.239	0	---	17.1	1961
1962	---	---	---	0	2.75	21.0	34.5	30.1	7.49	2.28	0	---	12.3	1962
1963	---	---	---	0	7.46	36.3	32.9	5.86	7.75	5.41	0	---	12.0	1963
1964	---	---	---	0	0.031	26.3	31.8	30.4	38.3	14.4	0	---	17.6	1964
1965	---	---	---	0	0	12.7	2.63	17.1	16.0	0.041	0	---	6.05	1965
1966	---	---	---	0	0.599	1.23	5.71	27.0	27.2	3.72	0	---	8.20	1966
1967	---	---	---	0	0	0.478	5.58	22.9	11.9	0	0	---	5.14	1967
1968	---	---	---	0	0.010	9.89	30.3	18.9	31.6	18.3	0	---	13.7	1968
1969	---	---	---	0	1.37	21.3	5.96	8.80	21.7	11.7	0.002	---	8.83	1969
1970	---	---	---	0	0.283	13.6	25.2	23.6	24.1	10.3	0.082	---	12.2	1970
1971	---	---	---	0	0	12.1	26.5	28.0	29.3	24.3	0.037	---	15.1	1971
1972	---	---	---	0	0	0	0	0	0	0	0	---	0	1972
1973	---	---	---	0	4.69	29.1	31.7	31.3	20.9	15.8	0	---	16.8	1973
1974	---	---	---	0	18.2	24.8	28.4	29.7	28.7	1.74	0	---	16.5	1974
1975	---	---	---	0	7.89	22.1	16.8	24.7	15.5	0	0	---	10.8	1975
1976	---	---	---	0	9.78	28.4	27.5	25.9	26.4	28.5	3.20	---	18.8	1976
1977	---	---	---	11.5	21.2	30.8	15.7	20.1	24.4	29.1	8.56	---	20.2	1977
1978	---	---	---	2.46	20.2	8.11	28.6	27.2	9.72	0.026	0	---	12.2	1978
1979	---	---	---	0	12.0	29.0	30.4	26.8	21.2	4.74	0	---	15.6	1979
1980	---	---	---	0	26.4	32.5	29.1	27.7	25.8	5.26	0	---	18.4	1980
1981	---	---	---	0.580	29.3	26.9	28.7	32.9	29.5	19.4	0	---	21.0	1981
1982	---	---	---	0	14.8	29.7	29.3	29.1	28.8	9.71	0	---	17.7	1982
MEAN	---	---	---	0.621	4.35	9.79	12.5	13.2	11.7	6.20	1.06	---	7.46	MEAN

LOCATION - LAT 50 44 46 N
LONG 113 01 17 W   REGULATED SINCE 1918

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	4.98 ON NOV 21	0 ON APR 1 *	16 700	1918
1919	---	11.8 ON AUG 4	0 ON APR 1	101 000	1919
1920	---	9.57 ON OCT 24	0 ON APR 1	75 000	1920
1921	---	11.5 ON JUL 24	0 ON APR 1	113 000	1921
1922	---	6.46 ON AUG 7	0 ON APR 1	66 800	1922
1923	---	6.40 E ON AUG 7	0 ON APR 1	41 000	1923
1924	---	6.48 E ON AUG 6	0 ON APR 1	56 300	1924
1925	---	0.374 ON JUN 23	0 ON APR 1	88.8	1925
1926	---	7.59 ON AUG 5	0 ON APR 1	66 400	1926
1927	---	5.27 ON OCT 23	0 ON APR 1	15 000	1927
1928	---	7.19 ON MAY 24	0 ON APR 1	55 700	1928
1929	---	8.24 ON AUG 8	0 ON APR 1	89 100	1929
1930	---	7.53 ON MAY 20	0 ON APR 1	107 000	1930
1931	---	6.82 E ON JUL 1	3.05 E ON APR 1	123 000	1931
1932	---	6.94 E ON SEP 1	0 ON APR 1	78 800	1932
1933	---	7.70 E ON SEP 1	0 ON APR 1	71 800	1933
1934	---	7.82 E ON OCT 1	2.46 E ON APR 1	137 000	1934
1935	---	6.51 E ON JUN 1	0 ON OCT 1	82 600	1935
1936	---	8.58 E ON SEP 1	0 ON APR 1	80 800	1936
1937	---	8.50 E ON SEP 1	0 ON APR 1	117 000	1937
1938	---	8.44 E ON JUL 1	0 ON APR 1	61 500	1938
1939	---	8.67 E ON MAY 1	1.50 E ON APR 1	131 000	1939
1940	---	7.33 E ON JUL 1	0 ON APR 1	65 900	1940
1941	---	10.6 E ON AUG 1	0 ON APR 1	130 000	1941
1942	---	6.99 E ON SEP 1	0 ON APR 1	73 100	1942
1943	---	7.87 E ON SEP 1	0 ON NOV 1	106 000	1943
1944	---	9.85 E ON JUN 1	0.453E ON APR 1	118 000	1944
1945	---	7.87 E ON SEP 1	0 ON NOV 1	105 000	1945
1946	---	10.7 E ON SEP 1	0 ON APR 1	104 000	1946
1947	---	8.52 E ON JUL 1	0 ON NOV 1	74 800	1947
1948	---	6.63 E ON OCT 1	0 ON APR 1	52 600	1948
1949	---	11.9 ON SEP 21	0 ON APR 1	134 000	1949
1950	---	11.5 ON JUN 14	0 ON APR 1	71 300	1950
1951	---	0 ON APR 1	0 ON APR 1	0	1951
1952	---	0.210E ON JUL 5	0 ON APR 1	556	1952
1953	---	17.8 ON NOV 8	0 ON APR 1	79 900	1953
1954	---	36.5 ON JUN 16	0 ON APR 1	251 000	1954
1955	---	24.0 ON SEP 11	0 ON APR 1	101 000	1955
1956	---	32.8 ON JUL 12	0 ON APR 1	67 000	1956
1957	---	36.8 ON AUG 8	0 ON APR 1	192 000	1957
1958	---	25.9 ON JUL 18	0 ON APR 1	176 000	1958
1959	---	28.1 ON SEP 18	0 ON APR 1	165 000	1959
1960	---	32.8 ON OCT 5	0 ON APR 1	221 000	1960
1961	---	37.9 ON AUG 23	0 ON APR 1	361 000	1961
1962	---	35.7 ON JUL 6	0 ON APR 1	260 000	1962
1963	---	38.5 ON JUL 10	0 ON APR 1	252 000	1963
1964	---	39.4 ON SEP 7 *	0 ON APR 1	371 000	1964
1965	---	32.6 ON SEP 24	0 ON APR 1	128 000	1965
1966	---	28.3 ON AUG 31	0 ON APR 1	173 000	1966
1967	---	29.4 ON SEP 7	0 ON APR 1	108 000	1967
1968	---	32.8 ON SEP 10	0 ON APR 1	288 000	1968
1969	---	29.7 ON OCT 7	0 ON APR 1	186 000	1969
1970	---	26.0 ON JUL 22	0 ON APR 1	257 000	1970
1971	---	33.4 ON OCT 4	0 ON APR 1	318 000	1971
1972	---	0 ON APR 1	0 ON APR 1	0	1972
1973	---	34.0 ON JUN 30	0 E ON APR 1	353 000	1973
1974	---	30.6 ON JUL 30	0 ON APR 1	348 000	1974
1975	---	25.7 ON AUG 22	0 ON APR 1	229 000	1975
1976	---	30.6 ON OCT 14	0 ON APR 1	396 000	1976
1977	---	34.3 ON NOV 5	0 ON APR 1	426 000	1977
1978	---	30.3 ON JUL 7	0 ON APR 1	256 000	1978
1979	---	32.0 ON JUN 14	0 ON APR 1	328 000	1979
1980	---	37.1 ON MAY 21	0 ON APR 1	388 000	1980
1981	---	36.1 ON JUL 8	0 ON APR 1	443 000	1981
1982	---	31.8 ON JUN 26	0 E ON APR 1	374 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		157 000	MEAN

E - ESTIMATED

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	6.13	24.0	35.8	19.6	20.2	8.02	---	---	18.9	1981
1982	---	---	---	---	5.91	23.8	34.1	20.9	12.0	5.86	---	---	17.1	1982
MEAN	---	---	---	---	6.02	23.9	35.0	20.3	16.1	6.94	---	---	18.0	MEAN

LOCATION - LAT 50 09 25 N
LONG 112 32 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUJ DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	46.6 ON JUL 13 *	0 ON OCT 23 *	301 000	1981
1982	---	45.6 ON JUL 27	0 ON MAY 1	271 000	1982
				286 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	11.0	41.0	20.3	7.07	7.29	---	---	---	1978
1979	---	---	---	---	1.19	24.8	45.4	21.8	11.8	7.43	---	---	---	1979
MEAN	---	---	---	---	1.19	17.9	43.2	21.1	9.44	7.36	---	---	---	MEAN

LOCATION - LAT 50 12 00 N
LONG 112 37 30 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON OCT 24 *	---	1978
1979	---	---	0 ON MAY 1	---	1979
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0.267	0.154	0.033	0.019	0.067	---	---	0.089	1959
1960	---	---	---	---	0	0.247	0.482	0.072	0.135	0.133	---	---	0.178	1960
1961	---	---	---	---	0.075	0.676	0.322	0.076	0.099	0.199	---	---	0.240	1961
1962	---	---	---	---	0.140	0.422	0.410	0.071	0.120	0.338	---	---	0.250	1962
1963	---	---	---	---	0.254	0.560	0.078	0.153	0.145	0.324	---	---	0.251	1963
1964	---	---	---	---	0.003	0.359	0.342	0.203	0.055	0.292	---	---	0.209	1964
1965	---	---	---	---	0	0.125	0.073	0.091	0.001	0.058	---	---	0.058	1965
1966	---	---	---	---	0.020	0.158	0.180	0.095	0.029	0.088	---	---	0.095	1966
1967	---	---	---	---	0	0.017	0.269	0.176	0.117	0.300	---	---	0.147	1967
1968	---	---	---	---	0.076	0.305	0.351	0.116	0.100	0.107	---	---	0.176	1968
1969	---	---	---	---	0.084	0.291	0.097	0.228	0.184	0.315	---	---	0.199	1969
1970	---	---	---	---	0.055	0.401	0.157	0.260	0.129	0.138	---	---	0.189	1970
1971	---	---	---	---	0.003	0.347	0.279	0.215	0.188	0.315	---	---	0.224	1971
1972	---	---	---	---	0.003	0.457	0.329	0.227	0.217	0.302	---	---	0.255	1972
1973	---	---	---	---	0.231	0.383	0.540	0.345	0.186	0.240	---	---	0.321	1973
1974	---	---	---	---	0	0.252	0.427	0.298	0.157	0.391	---	---	0.255	1974
1975	---	---	---	---	0	0.003	0.548	0.317	0.097	0.133	---	---	0.184	1975
1976	---	---	---	---	0.088	0.886	0.555	0.098	0.338	0.347	---	---	0.383	1976
1977	---	---	---	---	0.079	---	---	---	---	---	---	---	---	1977
1981	---	---	---	---	0.009	0.626	0.795R	0.253R	0.330	0.310	---	---	0.386R	1981
1982	---	---	---	---	0.046	0.674	0.743	0.212	0.039	0.015	---	---	0.288	1982
MEAN	---	---	---	---	0.056	0.373	0.357R	0.177R	0.134	0.221	---	---	0.219	MEAN

LOCATION - LAT 50 11 30 N
LONG 112 35 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.634 ON JUN 17	0 ON MAY 1 *	1 420	1959
1960	---	0.934 ON JUL 15	0E ON MAY 1	2 830	1960
1961	---	0.934 ON JUN 19	0 ON MAY 1	3 810	1961
1962	---	0.867 ON OCT 11	0 ON MAY 1	3 970	1962
1963	---	1.03 ON JUN 9	0 ON MAY 1	3 990	1963
1964	---	0.773 ON OCT 16	0 ON MAY 1	3 320	1964
1965	---	0.377 ON JUL 30	0 ON MAY 1	920	1965
1966	---	0.357 ON JUL 1	0 ON MAY 1	1 510	1966
1967	---	0.566 ON JUL 24	0 ON MAY 1	2 340	1967
1968	---	0.657 ON JUL 24	0 ON MAY 1	2 790	1968
1969	---	0.595 ON OCT 14	0 ON MAY 1	3 170	1969
1970	---	0.895 ON JUN 10	0 ON MAY 1	3 010	1970
1971	---	0.716 ON OCT 10	0 ON MAY 1	3 560	1971
1972	---	0.810 ON JUN 10	0 ON MAY 1	4 060	1972
1973	---	1.28 ON JUL 28	0 ON MAY 1	5 110	1973
1974	---	0.824 ON OCT 18	0 ON MAY 1	4 050	1974
1975	---	1.05 ON JUL 27	0 ON MAY 1	2 930	1975
1976	---	1.08 ON JUN 6	0 ON MAY 1	6 090	1976
1977	---	---	0 ON MAY 1	---	1977
1981	---	1.44 ON JUL 27 *	0 ON MAY 1	6 140R	1981
1982	---	1.39 ON JUL 22	0 ON MAY 1	4 570	1982
				3 480R	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0	0.001	0.003	0.002	0.001	---	---	0.001	1959
1960	---	---	---	---	0	0.014	0.020	0.003	0.010	0.005	---	---	0.009	1960
1961	---	---	---	---	0.001	0.073	0.027	0	0	0.036	---	---	0.023	1961
1962	---	---	---	---	0.002	0.070	0.068	0	0.050	0.073	---	---	0.044	1962
1963	---	---	---	---	0.025	0.087	0.002	0.022	0.030	0.058	---	---	0.037	1963
1964	---	---	---	---	0	0.061	0.041	0.010	0	0.073	---	---	0.031	1964
1965	---	---	---	---	0	0.037	0	0	0	0	---	---	0.006	1965
1966	---	---	---	---	0.001	0.036	0	0	0	0.037	---	---	0.012	1966
1967	---	---	---	---	0	0.003	0.037	0.018	0.018	0.034	---	---	0.019	1967
1968	---	---	---	---	0	0	0.023	0.001	0	0.018	---	---	0.007	1968
1969	---	---	---	---	0.001	0	0.006	0.012	0	0.071	---	---	0.015	1969
1970	---	---	---	---	0	0.016	0.012	0.023	0.042	0.026	---	---	0.020	1970
1971	---	---	---	---	0	0.005	0.049	0.008	0.001	0.010	---	---	0.012	1971
1972	---	---	---	---	0	0.018	0.025	0.034	0	0.020	---	---	0.016	1972
1973	---	---	---	---	0.004	0.027	0.053	0.049	0	0.010	---	---	0.024	1973
1974	---	---	---	---	0	0.046	0.094	0.014	0.015	0.042	---	---	0.035	1974
1975	---	---	---	---	0	0.002	0.133	0.043	0.023	0.016	---	---	0.036	1975
1976	---	---	---	---	0.077	0.172	0.233	0.035	0.070	0.097	---	---	0.114	1976
MEAN	---	---	---	---	0.006	0.037	0.046	0.015	0.015	0.035	---	---	0.026	MEAN

LOCATION - LAT 50 11 10 N
LONG 112 34 20 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.020 ON AUG 12	0 ON MAY 1 *	20.7	1959
1960	---	0.057E ON JUN 24	0E ON MAY 1	139	1960
1961	---	0.159 ON JUN 20	0 ON MAY 1	361	1961
1962	---	0.178 ON JUL 5	0 ON MAY 1	694	1962
1963	---	0.190 ON JUN 17	0E ON MAY 1	590	1963
1964	---	0.246 ON OCT 12	0 ON MAY 1	492	1964
1965	---	0.116 ON JUN 10	0 ON MAY 1	97.5	1965
1966	---	0.133 ON OCT 19	0 ON MAY 1	196	1966
1967	---	0.093 ON JUL 16	0 ON MAY 1	295	1967
1968	---	0.102 ON JUL 27	0 ON MAY 1	117	1968
1969	---	0.184 ON OCT 5	0 ON MAY 1	243	1969
1970	---	0.065 ON JUN 10	0 ON MAY 1	315	1970
1971	---	0.085 ON JUL 24	0 ON MAY 1	194	1971
1972	---	0.088 ON JUL 1	0 ON MAY 1	257	1972
1973	---	0.190 ON AUG 5	0 ON MAY 1	381	1973
1974	---	0.173 ON JUL 19	0 ON MAY 1	559	1974
1975	---	0.286 ON JUL 20	0 ON MAY 1	577	1975
1976	---	0.334 ON MAY 29 *	0 ON MAY 1	1 810	1976
				408	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO. 05AC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.002	0.156	0.311	0.078	0.016	0.061	---	---	0.104	1959
1960	---	---	---	---	0.005	0.278	0.800	0.111	0.101	0.198	---	---	0.250	1960
1961	---	---	---	---	0.065	0.807	0.583	0.130	0.337	0.455	---	---	0.394	1961
1962	---	---	---	---	0.200	0.702	0.932	0.175	0.118	0.452	---	---	0.430	1962
1963	---	---	---	---	0.353	0.899	0.250	0.246	0.208	0.781	---	---	0.455	1963
1964	---	---	---	---	0.073	0.810	0.980	0.519	0.386	0.806	---	---	0.596	1964
1965	---	---	---	---	0	0.297	0.298	0.284	0.045	0.162	---	---	0.181	1965
1966	---	---	---	---	0.032	0.244	0.116	0.086	0.127	0.223	---	---	0.138	1966
1967	---	---	---	---	0	0.050	0.802	0.445	0.199	0.323	---	---	0.305	1967
1968	---	---	---	---	0.201	0.415	1.05	0.238	0.206	0.250	---	---	0.395	1968
1969	---	---	---	---	0.107	0.867	0.173	0.387	0.278	0.654	---	---	0.409	1969
1970	---	---	---	---	0.164	0.790	0.522	0.638	0.287	0.528	---	---	0.488	1970
1971	---	---	---	---	0.023	0.527	1.20	0.450	0.155	0.322	---	---	0.448	1971
1972	---	---	---	---	0.045	0.747	0.954	0.852	0.170	0.257	---	---	0.505	1972
1973	---	---	---	---	0.444	0.767	1.23	0.541	0.145	0.349	---	---	0.581	1973
1974	---	---	---	---	0.012	0.853	1.68	0.850	0.411	0.596	---	---	0.735	1974
1975	---	---	---	---	0	0.112	1.37	0.892	0.195	0.206	---	---	0.467	1975
1976	---	---	---	---	0.492	2.09	1.73	0.555	0.725	0.781	---	---	1.06	1976
1977	---	---	---	---	0.472	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.142	0.634	0.832	0.415	0.228	0.411	---	---	0.441	MEAN

LOCATION - LAT 50 09 20 N
LONG 112 29 50 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGA E - STATION NO. 05AC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.745 ON JUL 15	0 ON MAY 1 *	1 650	1959
1960	---	1.23 ON JUL 16	0 ON MAY 1	3 970	1960
1961	---	1.14 ON JUN 19	0 ON MAY 1	6 270	1961
1962	---	1.72 ON JUL 9	0 ON MAY 1	6 840	1962
1963	---	1.72 ON JUN 21	0 ON OCT 24	7 230	1963
1964	---	1.53 ON OCT 13	0 ON MAY 1	9 480	1964
1965	---	1.06 ON AUG 4	0 ON MAY 1	2 880	1965
1966	---	0.530 ON JUN 23	0E ON MAY 1	2 190	1966
1967	---	1.83 ON JUL 25	0 ON MAY 1	4 850	1967
1968	---	1.65 ON JUL 16	0 ON OCT 22	6 290	1968
1969	---	1.32 ON JUN 18	0 ON MAY 1	6 510	1969
1970	---	1.74 ON JUN 10	0 ON MAY 1	7 760	1970
1971	---	1.45 ON JUL 18	0 ON MAY 1	7 120	1971
1972	---	1.61 ON AUG 5	0 ON MAY 1	8 030	1972
1973	---	1.62 ON JUL 26	0 ON MAY 1	9 230	1973
1974	---	2.01 ON JUL 29	0 ON MAY 1	11 700	1974
1975	---	2.08 ON JUL 29	0 ON MAY 1	7 420	1975
1976	---	2.30 ON JUN 15 *	0 ON MAY 1	16 800	1976
1977	---	---	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 010	MEAN

E - ESTIMATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0	0.190	0.096	0.053	0.042	0.050	---	---	0.071	1959
1960	---	---	---	---	0	0.185	0.369	0.018	0.062	0.117	---	---	0.125	1960
1961	---	---	---	---	0.034	0.587	0.371	0.148	0.156	0.200	---	---	0.248	1961
1962	---	---	---	---	0.326	0.492	0.713	0.096	0.143	0.336	---	---	0.351	1962
1963	---	---	---	---	0.193	0.527	0.108	0.164	0.069	0.370	---	---	0.238	1963
1964	---	---	---	---	0.057	0.403	0.588	0.322	0.091	0.343	---	---	0.301	1964
1965	---	---	---	---	0	0.176	0.150	0.088	0.042	0.020	---	---	0.079	1965
1966	---	---	---	---	0.029	0.155	0.074	0.025	0.105	0.163	---	---	0.092	1966
1967	---	---	---	---	0	0.018	0.497	0.226	0.182	0.411	---	---	0.224	1967
1968	---	---	---	---	0.080	0.188	0.571	0.080	0.141	0.134	---	---	0.199	1968
1969	---	---	---	---	0.042	0.340	0.042	0.334	0.167	0.154	---	---	0.179	1969
1970	---	---	---	---	0.201	0.668	0.157	0.347	0.092	0.187	---	---	0.274	1970
1971	---	---	---	---	0.020	0.302	0.443	0.155	0.142	0.238	---	---	0.217	1971
1972	---	---	---	---	0.049	0.398	0.506	0.213	0.045	0.072	---	---	0.214	1972
1973	---	---	---	---	0.336	0.388	0.602	0.295	0.105	0.124	---	---	0.309	1973
1974	---	---	---	---	0	0.584	0.704	0.418	0.144	0.225	---	---	0.346	1974
1975	---	---	---	---	0	0.063	0.631	0.220	0.105	0.181	---	---	0.201	1975
1976	---	---	---	---	0.251	0.821	0.673	0.127	0.267	0.228	---	---	0.393	1976
1977	---	---	---	---	0.286	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.100	0.360	0.405	0.185	0.117	0.197	---	---	0.226	MEAN

LOCATION - LAT 50 07 40 N
LONG 112 24 40 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.394 ON JUN 19	0 ON MAY 1 *	1 130	1959
1960	---	0.527 ON JUL 19	0E ON MAY 1	1 990	1960
1961	---	0.728 ON JUN 16	0 ON MAY 1	3 940	1961
1962	---	1.08 ON MAY 31	0 ON MAY 1	5 590	1962
1963	---	1.05 ON JUN 20	0 ON JUN 24	3 790	1963
1964	---	0.790 ON JUL 23	0 ON MAY 1	4 780	1964
1965	---	0.507 ON JUN 15	0 ON MAY 1	1 260	1965
1966	---	0.365 ON JUN 3	0 ON MAY 1	1 460	1966
1967	---	1.01 ON JUL 22	0 ON MAY 1	3 560	1967
1968	---	0.892 ON JUL 21	0 ON MAY 1	3 170	1968
1969	---	0.711 ON AUG 12	0 ON MAY 1	2 840	1969
1970	---	3.37 ON JUN 7 *	0 ON MAY 1	4 360	1970
1971	---	0.739 ON JUL 22	0 ON MAY 1	3 450	1971
1972	---	0.807 ON JUN 8	0 ON MAY 1	3 400	1972
1973	---	0.940 ON MAY 28	0 ON MAY 1	4 920	1973
1974	---	1.06 ON JUN 16	0 ON MAY 1	5 490	1974
1975	---	1.01 ON JUL 23	0 ON MAY 1	3 200	1975
1976	---	0.977 ON JUN 6	0 ON MAY 1	6 250	1976
1977	---	---	0 ON MAY 1	---	1977
				3 590	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR COCHRANE - STATION NO. 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	441	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	441	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 10 22 N DRAINAGE AREA, 7 580 km^2
LONG 114 28 00 W REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	17.8	62.3	155	174	168	93.2	61.1	35.7	18.6	---	1912
1913	19.9	19.2	23.7	36.4	72.1	250	157	143	95.8	57.4	42.7	39.6	79.9	1913
1914	24.3	18.3	19.0	22.9	73.2	196	197	99.9	60.5	61.2	34.5	18.3	69.1	1914
1915	18.5	22.7	23.4	31.0	72.8	154	228	145	71.9	52.5	39.5	33.1	74.8	1915
1916	22.6	27.7	30.1	37.5	52.2	261	301	140	99.1	56.5	45.1	34.8	92.4	1916
1917	25.9	17.6	16.0	19.0	74.2	183	205	111	73.3	50.1	26.5	24.7	69.2	1917
1918	26.9	17.0	17.4	22.9	62.9	233	146	104	70.7	46.6	30.9	30.7	67.5	1918
1919	31.6	21.4	19.9	23.3	94.8	153	123	115	66.5	37.4	28.3	21.5	61.6	1919
1920	17.8	20.7	15.7	15.3	34.8	131	307	127	65.6	46.1	33.8	26.4	70.4	1920
1921	25.8	20.2	19.3	24.4	84.9	234	173	101	48.4	37.7	32.3	24.9	69.0	1921
1922	20.3	16.9	19.2	21.7	67.2	209	140	110	67.1	40.0	27.7	23.4	63.7	1922
MEAN	23.4	20.2	20.4	24.7	68.3	196	196	124	73.8	49.7	34.3	26.9	71.8	MEAN

LOCATION - LAT 51 05 20 N DRAINAGE AREA, 4 160 km^2
LONG 115 05 20 W REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	235 ON JUL 14	---	---	1912
1913	---	317 ON JUN 13	16.1B ON FEB 22	2 520 000	1913
1914	---	294 ON JUN 18	11.9B ON DEC 15	2 180 000	1914
1915	---	391 ON JUN 28	14.2B ON JAN 27	2 360 000	1915
1916	---	600 ON JUN 21 *	21.5B ON JAN 3	2 920 000	1916
1917	---	280 ON JUL 5	13.3B ON FEB 20	2 180 000	1917
1918	---	382 ON JUN 18	13.6B ON MAR 1	2 130 000	1918
1919	---	257 ON JUN 23	15.9B ON DEC 31	1 940 000	1919
1920	---	371 ON JUL 13	11.0B ON MAR 4 *	2 220 000	1920
1921	---	306 ON JUN 26	13.6B ON FEB 19	2 180 000	1921
1922	---	309 ON JUN 5	13.5B ON FEB 10	2 010 000	1922
				2 260 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	270	223	137	79.2	71.1	43.0	31.5	---	1910
1911	---	17.4	19.5	23.4	63.1	288	228	163	99.2	52.1	---	---	---	1911
MEAN	---	17.4	19.5	23.4	63.1	279	226	150	89.2	61.6	43.0	31.5	---	MEAN

LOCATION - LAT 51 10 20 N DRAINAGE AREA, 5 380 km²
LONG 114 51 00 W REGULATED

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	371 ON JUN 18	---	---	1910
1911	---	382 ON JUN 25 *	9.63 ON APR 13 *	---	1911
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	23.8	21.3	19.7	23.4	77.3	367	214	140	91.3	49.1	31.1	28.5	90.6	1923
1924	26.0	27.3	26.2	26.0	111	178	194	149	79.2	45.2	32.8	27.9	77.1	1924
1925	27.6	26.8	25.6	39.1	160	254	192	148	95.6	61.9	41.4	31.6	92.3	1925
1926	27.7	30.3	28.2	38.4	71.5	115	158	94.0	118	72.1	45.3	34.3	69.6	1926
1927	28.3	27.4	27.0	30.5	60.3	295	245	161	123	41.0	54.3	39.8	98.0	1927
1928	40.4	34.2	32.0	32.0	180	338	295	132	75.5	43.9	32.8	25.0	105	1928
1929	21.7	22.9	25.4	22.0	62.6	253	129	101	62.6	39.5	33.8	26.3	66.6	1929
1930	16.6	19.4	18.0	29.9	89.0	269	213	125	78.4	41.3	29.4	27.1	79.8	1930
1931	30.0	24.0	19.0	18.9	79.7	194	154	102	79.4	40.9	26.9	27.5	66.5	1931
1932	21.1	26.6	23.4	26.0	99.2	413	184	131	86.6	49.2	35.5	29.0	93.6	1932
1933	26.1	23.3	25.5	32.5	86.8	302	240	127	85.3	48.9	38.2	28.8	89.0	1933
1934	29.9	26.8	25.8	58.9	194	214	151	104	69.5	45.7	34.9	26.8	82.0	1934
1935	32.0	22.7	24.7	31.7	61.6	227	231	135	65.3	40.0	31.5	37.0	78.6	1935
1936	27.9	26.0	23.4	25.7	106	193	132	91.6	54.0	34.4	26.7	25.7	64.0	1936
1937	27.4	27.3	17.1	18.5	67.5	170	166	110	71.5	49.2	43.1	28.6	66.6	1937
1938	26.9	25.1	25.4	25.1	109	325	212	98.2	80.2	48.0	30.1	34.6	86.8	1938
1939	28.2	28.4	27.0	23.1	95.[illegible]	146	186	103	68.1	48.6	41.5	30.4	69.2	1939
1940	34.9	33.6	28.8	28.4	11[illegible]	172	136	92.2	91.0	49.6	34.7	29.9	70.5	1940
1941	22.9	21.0	19.6	22.4	[illegible]	137	113	92.2	65.5	44.9	29.9	23.9	54.8	1941
1942	22.9	24.7	15.8	18.9	102	186	194	117	71.1	47.9	38.7	48.8	74.4	1942
1943	40.7	46.7	44.4	42.5	64.5	182	238	108	59.5	50.2	48.2	46.7	78.0	1943
1944	42.4	43.0	40.5	31.6	74.3	159	102	105	68.0	46.6	45.6	44.6	66.9	1944
1945	43.7	39.2	35.6	29.4	59.0	191	161	90.4	62.4	47.1	47.7	46.9	71.3	1945
1946	46.3	47.2	41.4	43.2	121	219	152	98.4	88.2	57.6	51.8	51.2	88.9	1946
1947	51.3	49.7	46.0	50.9	140	245	173	91.6	81.0	75.0	58.4	51.5	93.0	1947
1948	48.9	48.2	48.3	47.0	156	286	161	143	81.3	51.8	45.3	46.1	97.0	1948
1949	45.7	41.9	37.1	36.7	99.5	124	92.9	82.2	57.2	37.4	37.3	37.4	60.9	1949
1950	38.4	28.0	24.7	25.2	40.3	201	179	91.5	63.9	54.1	52.5	51.2	71.0	1950
1951	47.5	44.8	53.4	56.9	121	183	267	132	104	77.8	69.9	64.9	102	1951
1952	59.7	46.6	49.7	62.2	111	169	160	113	69.0	56.4	52.3	52.0	83.6	1952
1953	53.7	52.8	46.5	47.4	81.8	203	182	104	74.4	59.2	62.4	56.6	85.5	1953
1954	58.4	49.0	46.5	54.4	96.1	199	240	155	120	72.8	65.1	63.4	102	1954
1955	59.9	57.1	55.6	57.6	59.6	166	153	85.5	62.5	47.2	50.8	59.6	76.3	1955
1956	63.9	60.1	58.8	50.1	111	198	149	94.9	68.2	59.7	49.5	48.0	88.4	1956
1957	46.4	49.8	50.3	44.7	126	186	103	74.6	61.6	57.7	44.6	50.0	71.4	1957
1958	56.1	67.3	59.2	47.2	117	159	132	96.2	61.5	60.2	62.5	53.1	81.1	1958
1959	63.9	56.0	38.5	43.0	68.3	183	157	89.8	71.4	53.7	52.6	66.3	78.7	1959
1960	63.4	54.6	47.0	38.6	66.7	152	162	98.2	61.6	51.7	52.1	54.2	75.2	1960
1961	46.2	52.8	47.4	51.0	114	246	125	118	72.4	68.6	64.9	72.2	89.9	1961
1962	69.0	67.7	70.9	55.4	65.2	161	137	106	74.0	---	---	---	---	1962
1979	56.6	65.6	59.1	48.4	62.2	126	106	84.0	65.8	39.2	28.6	35.2	64.6	1979
1980	38.3	39.4	36.7	36.8	134	198	103	80.5	61.6	54.9	49.6	54.6	74.0	1980
1981	60.3	55.0	46.5	45.2	141	189	238	182	90.0	50.1	50.9	47.7	100	1981
1982	51.9	46.1	39.3	42.2	50.0	188	149	89.3	68.0	52.1	53.0	54.7	73.8	1982
MEAN	40.8	39.3	36.4	37.7	97.0	209	172	111	76.3	52.6	44.4	42.3	80.0	MEAN

LOCATION - LAT 51 07 10 N DRAINAGE AREA, 5 170 km²
LONG 115 02 00 W REGULATED SINCE 1911

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	697 AT 11:00 MST ON JUN 15	663 ON JUN 15	15.9 ON MAR 18	2 860 000	1923
1924	337 AT 21:00 MST ON JUL 5	334 ON JUL 5	15.4 B ON DEC 17	2 440 000	1924
1925	362 AT 14:00 MST ON JUN 23	343 ON JUN 23	17.6 E ON MAR 15	2 910 000	1925
1926	274 AT 22:15 MST ON JUL 10	212 ON JUL 8	16.1 ON JAN 4	2 200 000	1926
1927	583 AT 12:00 MST ON JUN 27	411 ON JUN 11	17.6 ON MAR 27	3 090 000	1927
1928	515 AT 09:00 MST ON JUN 29	493 ON JUN 29	9.40B ON DEC 5	3 330 000	1928
1929	699 AT 01:00 MST ON JUN 3	555 ON JUN 3	9.46 ON APR 21	2 100 000	1929
1930	453 AT 11:00 MST ON JUN 9	374 ON JUN 9	10.5 B ON JAN 29	2 520 000	1930
1931	275 ON JUN 19	265 ON JUN 19	9.40 ON MAR 11	2 100 000	1931
1932	903 AT 17:00 MST ON JUN 2 *	762 ON JUN 3 *	13.2 B ON JAN 13	2 960 000	1932
1933	705 AT 14:00 MST ON JUN 17	583 ON JUN 18	16.3 ON JAN 17	2 810 000	1933
1934	430 AT 22:00 MST ON MAY 31	416 ON MAY 31	8.35 ON DEC 26	2 590 000	1934
1935	309 AT 16:00 MST ON JUN 1	289 ON JUN 17	15.3 ON FEB 8	2 480 000	1935
1936	343 AT 11:00 MST ON MAY 30	334 ON JUN 2	11.6 B ON DEC 6	2 020 000	1936
1937	306 AT 14:30 MST ON JUN 19	232 ON JUN 18	11.9 B ON MAR 20	2 100 000	1937
1938	453 AT 20:30 MST ON JUN 22	419 ON JUN 23	11.3 B ON JAN 30	2 740 000	1938
1939	328 AT 15:00 MST ON JUL 3	306 ON JUL 2	12.7 ON DEC 28	2 180 000	1939
1960	306 AT 07:30 MST ON MAY 27	280 ON MAY 26	10.3 ON DEC 16	2 230 000	1940
1961	279 AT 17:00 MST ON JUN 19	173 ON JUN 15	6.85 ON DEC 29 *	1 730 000	1941
1962	459 AT 10:00 MST ON JUN 9	289 ON JUN 9	10.8 ON JAN 2	2 350 000	1942
1963	368 AT 15:30 MST ON JUL 27	320 ON JUL 10	27.6 ON JAN 18	2 460 000	1943
1964	340 AT 09:00 MST ON JUL 7	215 ON JUN 13	23.0 ON APR 24	2 120 000	1944
1945	419 AT 09:00 MST ON MAY 31	274 ON JUN 22	20.4 ON APR 22	2 250 000	1945
1946	402 AT 10:00 MST ON MAY 28	323 ON MAY 29	30.9 ON NOV 18	2 680 000	1946
1947	413 AT 09:20 MST ON JUN 3	306 ON JUN 12	32.3 ON MAR 30	2 930 000	1947
1948	498 AT 09:45 MST ON MAY 25	419 ON MAY 24	32.8 ON DEC 26	3 070 000	1948
1949	248 AT 07:10 MST ON MAY 16	193 ON JUN 8	24.3 ON NOV 7	1 920 000	1949
1950	348 AT 12:00 MST ON JUN 22	343 ON JUN 22	11.0 ON APR 2	2 240 000	1950
1951	385 AT 11:00 MST ON JUL 7	331 ON JUL 7	30.6 ON FEB 11	3 220 000	1951
1952	283 AT 05:00 MST ON JUL 6	249 ON JUL 6	37.4 ON FEB 17	2 640 000	1952
1953	368 AT 12:30 MST ON JUN 13	354 ON JUN 14	23.1 ON APR 12	2 700 000	1953
1954	334 AT 21:30 MST ON JUN 16	323 ON JUL 9	31.7 ON APR 17	3 220 000	1954
1955	368 AT 16:00 MST ON JUN 24	281 ON JUN 24	29.2 ON MAY 8	2 410 000	1955
1956	411 AT 14:00 MST ON JUN 4	297 ON JUN 6	32.0 ON DEC 4	2 670 000	1956
1957	220 AT 15:00 MST ON JUN 5	203 ON MAY 21	24.5 ON APR 21	2 250 000	1957
1958	340 AT 08:00 MST ON JUN 11	215 ON JUN 11	29.7 ON APR 20	2 560 000	1958
1959	317 AT 11:00 MST ON JUN 23	249 ON JUN 24	27.1 ON MAR 3	2 480 000	1959
1960	258 AT 14:00 MST ON JUL 1	217 ON JUL 2	23.2 ON APR 3	2 380 000	1960
1961	411 AT 12:00 MST ON JUN 6	368 ON JUN 6	29.7 ON MAR 5	2 840 000	1961
1962	276 AT 12:00 MST ON JUN 27	250 ON JUN 27	25.6 ON MAY 13	---	1962
1979	---	166 ON MAY 28	18.7 ON NOV 3	2 040 000	1979
1980	---	265 ON JUN 19	13.6 ON NOV 13	2 340 000	1980
1981	319 ON MAY 28	343 ON MAY 27	34.6 ON APR 26	3 150 000	1981
1982	312 AT 11:00 MST ON JUN 17	257 ON JUN 23	25.4 ON MAY 16	2 330 000	1982
				2 530 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	35.5	16.9	63.4	72.4	64.7	---	1964
1965	55.8	50.7	80.8	173	107	309	369	158	133	135	103	74.7	146	1965
1966	76.7	66.6	110	123	145	302	229	96.7	72.2	70.4	75.1	74.8	120	1966
1967	70.5	70.4	96.8	175	185	591	223	96.6	62.6	51.8	54.2	54.6	144	1967
1968	72.9	82.9	78.8	61.7	50.3	181	117	73.4	83.5	92.3	54.4	44.5	82.6	1968
1969	61.8	60.9	72.6	185	217	298	387	105	63.5	63.1	60.2	39.4	135	1969
1970	45.7	53.6	62.7	83.6	106	261	126	55.0	25.8	57.0	62.8	47.5	82.1	1970
1971	51.5	55.5	54.9	144	157	284	93.4	71.8	30.9	39.7	55.0	30.5	88.9	1971
1972	45.6	48.5	96.5	89.7	151	378	248	143	100	90.4	80.2	51.0	127	1972
1973	53.6	64.4	103	89.7	132	287	131	49.7	37.2	46.5	59.3	63.1	89.7	1973
1974	59.8	73.2	71.1	138	208	344	184	96.3	55.8	51.9	61.6	62.3	117	1974
1975	59.2	66.7	68.4	124	134	221	155	60.7	45.1	54.5	72.8	46.0	92.2	1975
1976	63.4	74.8	82.4	80.9	131	111	122	179	95.1	56.5	52.9	40.7	91.0	1976
1977	39.1	60.6	72.3	49.3	24.1	55.6	28.5	60.5	42.7	33.0	26.1	37.6	44.0	1977
1978	56.9	73.7	122	94.1	126	257	136	76.7	90.6	90.6	57.2	66.2	104	1978
1979	60.3	67.0	118	98.7	112	91.9	41.1	28.8	21.8	26.0	46.5	30.8	61.8	1979
1980	43.9	46.0	51.4	111	127	260	49.3	48.7	31.3	66.7	61.6	60.6	79.5	1980
1981	77.4	74.0	74.9	79.4	232	302	252	177	60.0	20.0	66.7	37.1	121	1981
1982	48.8	56.7	60.2	98.2	66.9	176	146	35.8	29.3	43.8	51.0	60.1	72.7	1982
MEAN	57.9	63.7	82.0	111	134	259	169	86.7	57.8	60.7	61.7	51.9	99.9	MEAN

LOCATION - LAT 50 02 47 N DRAINAGE AREA, 25 300 km^2
LONG 111 35 28 W REGULATED SINCE 1911

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	750 ON JUN 20	27.7 B ON DEC 31	4 610 000	1965
1966	521 AT 09:00 MST ON JUN 7	510 ON JUN 7	26.9 B ON JAN 1	3 800 000	1966
1967	1 270 AT 14:00 MST ON JUN 2 *	1 230 ON JUN 2 *	24.1 B ON NOV 21	4 540 000	1967
1968	---	251 ON JUN 17	11.6 ON MAY 5	2 610 000	1968
1969	1 070 AT 14:10 MST ON JUL 1	997 ON JUL 1	25.8 B ON DEC 12	4 260 000	1969
1970	750 AT 17:40 MST ON JUN 16	697 ON JUN 16	9.57 ON OCT 1	2 590 000	1970
1971	705 AT 04:00 MST ON JUN 9	668 ON JUN 9	14.6 ON SEP 28	2 800 000	1971
1972	---	501E ON JUN 12	25.5 B ON DEC 3	4 010 000	1972
1973	379 AT 10:20 MST ON MAY 29	368 ON JUN 28	16.3 ON SEP 30	2 830 000	1973
1974	592 AT 00:40 MST ON JUN 21	566 ON JUN 20	24.2 ON OCT 14	3 700 000	1974
1975	654 AT 10:50 MST ON JUN 22	555 ON JUN 22	23.5 ON SEP 16	2 910 000	1975
1976	459 AT 07:30 MST ON AUG 8	413 ON AUG 8	24.6 ON OCT 17	2 880 000	1976
1977	139 AT 09:30 MST ON AUG 18	136 ON JUN 13	3.28 ON MAY 4 *	1 390 000	1977
1978	385 AT 15:00 MST ON JUN 8	365 ON JUN 8	35.4 ON AUG 16	3 280 000	1978
1979	---	208 ON MAY 30	13.7 E ON OCT 27	1 950 000	1979
1980	494 AT 06:05 MST ON MAY 29	424 ON MAY 29	16.3 ON SEP 12	2 520 000	1980
1981	732 AT 06:00 MST ON MAY 28	718 ON MAY 28	12.6 ON MAY 8	3 830 000	1981
1982	322 AT 08:25 MST ON JUL 2	301 ON JUL 2	16.0 ON OCT 4	2 290 000	1982
				3 160 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	28.0	16.4	23.2	5.85	7.58	3.43	---	---	---	1962
1963	---	---	0	23.3	59.6	6.67	0.730	1.17	0.180	0.140	---	---	11.5	1963
1964	---	---	0.031	2.00	14.4	2.15	0.118	0.183	0.067	0.015	---	---	2.38	1964
1965	---	---	0	2.39	6.99	0.251	0.027	0.012	0.013	0.009	---	---	1.22	1965
1966	---	---	0.006	0.508	6.60	0.350	0.094	0.037	0.017	0.013	---	---	0.961	1966
1967	---	---	0.004	0.114	10.0	1.38	0.189	0.267	0.101	0.368	---	---	1.57	1967
1968	---	---	0.053	11.6	21.3	1.27	1.04	0.452	0.054	0.095	---	---	4.49	1968
1969	---	---	0.035	25.6	41.2	3.69	0.221	0.023	0.024	0.025	---	---	8.84	1969
1970	---	---	0.024	1.93	4.29	2.54	0.180	0.001	0.001	0.004	0.001	0	1.12	1970
1971	0	0	0	0.501	2.65	0.016	0	0	0.009	0.002	---	---	0.400	1971
1972	---	---	0.002	1.72	47.5	1.61	0.127	0.039	0.006	0.023	---	---	6.45	1972
1973	---	---	0.037	4.00	4.79	3.73	2.81	6.68	5.16	3.58	---	---	3.84	1973
1974	---	---	0.011	39.5	88.9	13.9	3.42	1.07	0.589	0.394	---	---	18.5	1974
1975	---	---	0.053	7.36	13.0	3.63	2.07	0.232	0.155	0.286	---	---	3.34	1975
1976	---	---	0.127	18.6	11.2	6.83	3.07	5.11	6.59	4.85	---	---	7.00	1976
1977	---	---	0.140	9.37	10.2	32.2	9.88	0.521	0.012	0.030	---	---	7.73	1977
1978	---	---	0.050	1.45	11.0	7.66	0.524	0.024	2.00	5.01	---	---	3.47	1978
1979	---	---	0.164	1.45	87.6	59.7	10.0	0.728	0.216	0.405	---	---	20.0	1979
1980	---	---	0.008	1.98	0.350	0.162	0.026	0.005	0.003	0.005	---	---	0.313	1980
1981	---	---	0.054	3.26	18.8	0.522	0.039	0.008	0.001	0.004	---	---	2.85	1981
1982	---	---	0.055	1.12	2.55	0.034	0.002	0.012	0.003	0.003	---	---	0.474	1982
MEAN	0	0	0.043	7.89	23.4	7.84	2.75	1.07	1.08	0.890	0.001	0	5.32	MEAN

LOCATION - LAT 58 26 42 N　　DRAINAGE AREA, 6 660 km^2
LONG 116 16 10 W　　NATURAL FLOW

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	117 ON MAY 3	0 B ON MAR 1 *	244 000	1963
1964	---	21.2 ON MAY 7	0 ON OCT 20	50 300	1964
1965	---	17.8 ON APR 29	0 B ON MAR 1	25 700	1965
1966	---	13.8 ON MAY 13	0 B ON MAR 1	20 400	1966
1967	---	18.2 ON MAY 12	0.003B ON MAR 1	33 300	1967
1968	---	51.5 ON MAY 5	0.017 ON SEP 30	95 100	1968
1969	79.9 A AT 20:15 MST ON MAY 2	79.6 A ON MAY 2	0.003B ON OCT 28	187 000	1969
1970	12.1 AT 14:30 MST ON MAY 1	11.6 ON MAY 1	0 ON AUG 9	23 700	1970
1971	8.81 AT 13:30 MST ON MAY 1	8.44 ON MAY 1	0 B ON MAR 1	8 470	1971
1972	88.6 AT 11:30 MST ON MAY 10	88.3 ON MAY 10	0.001B ON MAR 1	136 000	1972
1973	15.9 AT 02:00 MST ON AUG 26	15.6 ON AUG 26	0.003B ON MAR 5	81 400	1973
1974	214 A AT 13:30 MST ON MAY 1 *	212 A ON MAY 2 *	0.004B ON MAR 26	391 000	1974
1975	35.1 AT 20:30 MST ON MAY 1	34.5 ON MAY 1	0.010B ON MAR 21	70 800	1975
1976	36.8 AT 17:20 MST ON APR 21	36.2 ON APR 22	0.091B ON MAR 1	148 000	1976
1977	58.9 AT 08:50 MST ON JUN 15	58.9 ON JUN 15	0.005 ON SEP 12	164 000	1977
1978	23.5 AT 09:30 MST ON MAY 30	23.3 ON MAY 30	0.005 ON AUG 30	73 400	1978
1979	117 AT 22:00 MST ON MAY 19	117 ON MAY 19	0.031 ON SEP 6	425 000	1979
1980	5.41 AT 17:00 MST ON APR 19	4.58 ON APR 23	0 B ON MAR 1	6 620	1980
1981	38.4 AT 12:00 MST ON MAY 7	38.4 ON MAY 7	0 ON SEP 15	60 400	1981
1982	5.87 AT 22:00 MST ON MAY 5	5.29 ON MAY 10	0.001 ON JUL 16	10 000	1982
				113 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0.710	2.41	0.658	0.113	0.012	0.003	0.001	---	---	0.489	1979
1980	---	---	0	0.019	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	1.01	0.522	0	0	0	0	0	---	---	0.190	1981
1982	---	---	0	0.223	0.198	0	0	0	0	0	---	---	0.052	1982
MEAN	---	---	0	0.491	0.783	0.165	0.028	0.003	0.001	0	---	---	0.183	MEAN

LOCATION - LAT 57 54 30 N LONG 117 36 45 W

DRAINAGE AREA, 94.3 km^2
NATURAL FLOW

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	21.4 AT 06:00 MST ON MAY 1 *	16.9 ON MAY 1 *	0B ON MAR 1 *	10 400	1979
1980	0.133 AT 22:00 MST ON APR 18	0.097 ON APR 15	0B ON MAR 1	50.4	1980
1981	10.6 E AT 01:00 MST ON APR 27	8.43 A ON APR 27	0B ON MAR 1	4 020	1981
1982	1.76 AT 00:00 MST ON APR 28	1.55 ON APR 28	0B ON MAR 1	1 110	1982
MEAN				3 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	127	100	62.9	61.7	59.5	40.3	28.5	---	---	1957
1958	---	---	---	---	149	175	157	66.4	43.7	25.8	---	---	---	1958
1959	---	---	---	---	63.6	202	124	61.6	53.6	43.1	---	---	---	1959
1960	---	---	---	---	70.3	126	149	68.8	36.6	29.5	---	---	---	1960
1961	---	---	---	---	76.1	114	111	90.0	39.0	0.858	5.88	25.8	---	1961
1962	30.1	36.3	27.6	7.77	103	93.9	132	17.1	0.071	8.96	65.3	41.4	47.1	1962
1963	39.0	41.7	36.5	51.3	72.4	99.9	107	2.49	0.071	1.13	28.1	37.2	43.0	1963
1964	36.2	35.9	43.3	35.2	85.2	219	60.6	0.113	0.113	36.2	53.4	38.8	53.5	1964
1965	27.9	61.5	77.3	38.0	72.3	255	226	53.8	52.2	69.4	40.8	40.7	84.6	1965
1966	62.6	46.7	41.0	36.6	62.1	61.7	160	131	17.2	46.7	43.7	39.5	62.8	1966
1967	54.5	55.3	46.3	28.7	71.1	166	88.8	6.54	15.0	6.45	25.3	42.4	50.4	1967
1968	59.0	62.4	69.8	34.8	65.3	56.9	0.697	91.8	23.1	32.9	32.5	49.8	48.3	1968
1969	59.7	36.4	38.1	47.7	60.7	64.1	166	120	42.9	5.20	32.4	49.9	60.5	1969
1970	46.8	44.9	38.5	22.0	59.8	96.2	95.2	17.0	8.53	9.04	38.2	49.9	43.9	1970
1971	35.9	22.6	29.0	12.1	12.5	148	140	69.7	10.1	26.7	40.3	41.4	49.2	1971
1972	45.4	42.2	41.9	27.2	32.1	144	161	98.1	56.1	79.8	52.2	39.3	68.4	1972
1973	31.2	55.2	32.9	38.8	105	80.3	59.6	65.9	17.8	31.1	58.8	28.2	50.4	1973
1974	34.9	37.5	23.6	36.0	74.2	112	108	58.6	47.9	35.4	30.2	37.0	53.0	1974
1975	54.1	22.9	8.09	39.2	38.6	46.3	27.4	46.7	31.3	3.05	26.9	45.4	32.5	1975
1976	43.3	25.9	21.4	19.6	64.4	69.3	29.5	61.8	52.9	28.4	27.3	27.3	39.3	1976
1977	40.8	23.0	2.96	27.0	47.0	127	81.3	107	71.8	48.4	29.6	51.1	54.8	1977
1978	43.8	25.2	11.0	9.58	54.2	167	155	70.2	84.6	43.8	52.5	51.3	64.1	1978
1979	45.9	27.5	10.7	25.9	68.2	34.3	58.4	37.9	28.0	9.32	22.2	36.3	33.8	1979
1980	30.2	35.0	48.7	44.8	19.5	263	117	65.0	41.7	52.0	50.8	51.4	68.1	1980
1981	30.6	47.0	41.6	22.6	75.9	47.2	141	115	32.0	26.2	42.0	41.9	55.5	1981
1982	62.3	36.8	16.0	20.3	35.1	98.2	200	40.5	43.8	51.9	34.6	42.1	57.0	1982
MEAN	43.5	39.1	33.6	29.8	67.9	122	112	62.5	35.0	30.4	37.5	41.3	53.3	MEAN

LOCATION - LAT 52 54 45 N LONG 115 21 50 W

DRAINAGE AREA, 5 650 km^2
REGULATED SINCE 1960

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	289 AT 19:45 MST ON MAY 20	216 ON MAY 3	---	---	1957
1958	544 AT 05:00 MST ON JUN 29	504 ON JUN 29	---	---	1958
1959	493 AT 15:00 MST ON JUN 27	416 ON JUN 27	---	---	1959
1960	371 AT 05:30 MST ON JUL 2	337 ON JUL 2	---	---	1960
1961	365 AT 13:50 MST ON JUL 30	328 ON JUL 30	0.057 ON OCT 2	---	1961
1962	433 AT 12:00 MST ON JUN 7	314 ON JUL 12	0.028 ON AUG 6	1 490 000	1962
1963	365 AT 16:00 MST ON APR 29	254 ON APR 30	0 E ON AUG 3 *	1 360 000	1963
1964	535 AT 19:00 MST ON JUN 19	411 ON JUN 20	0.113 ON JUL 19	1 690 000	1964
1965	549 AT 16:00 MST ON JUN 29	496 ON JUN 29	0.142E ON AUG 18	2 670 000	1965
1966	680 AT 07:30 MST ON JUL 5 *	575 ON JUL 5 *	0.142E ON APR 29	1 980 000	1966
1967	309 AT 12:00 MST ON JUN 22	198 ON JUN 26	0.425 ON OCT 29	1 590 000	1967
1968	282 AT 17:00 MST ON AUG 19	199 ON SEP 10	0.227E ON JUL 11	1 530 000	1968
1969	345 AT 23:00 MST ON JUL 5	270 ON JUL 6	1.59 ON NOV 7	1 910 000	1969
1970	311 AT 14:00 MST ON DEC 4	234 ON DEC 4	0.736 ON SEP 11	1 380 000	1970
1971	---	257 ON JUN 10	0.906 ON AUG 29	1 550 000	1971
1972	---	513 ON JUN 27	1.13 ON JUN 8	2 160 000	1972
1973	---	209 ON MAY 8	0.963 ON SEP 15	1 590 000	1973
1974	317 AT 16:15 MST ON JUN 26	194 ON JUL 22	0.963 ON NOV 16	1 670 000	1974
1975	---	130 ON DEC 12	0.793 ON MAR 28	1 030 000	1975
1976	---	147 ON JAN 8	0.736 ON MAR 31	1 240 000	1976
1977	---	226 ON JUN 3	0.368 ON MAR 26	1 730 000	1977
1978	334 AT 05:00 MST ON JUL 12	309 ON JUL 12	0.425 ON APR 29	2 020 000	1978
1979	---	131 ON MAY 26	3.68 ON JUN 14	1 070 000	1979
1980	---	464 ON JUN 6	1.70 ON MAY 18	2 150 000	1980
1981	430 AT 18:15 MDT ON JUL 26	376 ON JUL 26	0.800 ON OCT 3	1 750 000	1981
1982	657 AT 13:40 MST ON JUL 10	527 ON JUL 8	0.752 ON MAR 13	1 800 000	1982
				1 680 000	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	41.7	89.2	72.0	59.5	30.2	---	---	---	---	1961
1962	---	---	---	---	31.5	68.6	79.7	56.1	38.1	21.2	---	---	49.1	1962
1963	---	---	---	---	30.3	65.0	74.3	50.4	36.9	20.0	---	---	46.1	1963
1964	---	---	---	---	---	138	93.7	41.9	47.1	36.2	---	---	---	1964
1965	---	---	---	---	---	135	149	76.4	57.2	40.2	---	---	---	1965
1971	---	---	---	---	---	---	75.8	53.7	27.5	18.6	---	---	---	1971
1972	---	---	---	---	42.8	146	94.6	68.4	45.9	28.8	---	---	70.8	1972
1973	---	---	---	---	57.8	84.5	66.0	49.3	30.2	---	---	---	---	1973
1974	---	---	---	---	32.8	109	78.3	52.4	34.9	23.6	---	---	55.0	1974
1975	---	---	---	---	22.5	49.8	70.1	39.6	24.2	14.6	---	---	36.8	1975
1976	---	---	---	---	38.2	50.2	80.9	87.2	34.2	18.4	---	---	51.6	1976
1977	---	---	---	---	45.8	90.2	70.6	79.6	51.3	27.3	---	---	60.7	1977
1978	---	---	---	---	41.9	114	122	63.1	59.1	30.3	---	---	71.7	1978
1979	---	---	---	---	32.5	70.1	63.6	47.6	28.9	17.6	---	---	43.3	1979
1980	---	---	---	---	43.2	164	80.0	58.4	38.8	28.9	---	---	68.5	1980
1981	---	---	---	---	63.7	48.4	85.3	77.0	42.1	23.0	---	---	56.7	1981
1982	---	---	---	---	29.1	112	119	54.8	39.0	29.0	---	---	63.7	1982
MEAN	---	---	---	---	39.6	95.9	86.8	59.7	39.2	25.2	---	---	56.2	MEAN

LOCATION - LAT 52 52 50 N   DRAINAGE AREA, 2 590 km²
LONG 116 34 40 W   NATURAL FLOW

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	163 ON JUN 8	---	---	1961
1962	---	127 ON JUN 26	12.2 ON MAY 7	781 000	1962
1963	---	134 ON JUL 16	14.1E ON OCT 27	732 000	1963
1964	---	244 ON JUN 19	---	---	1964
1965	---	237 ON JUL 9	---	---	1965
1971	---	---	---	---	1971
1972	382 AT 17:00 MST ON JUN 25	351 ON JUN 25	14.7 ON MAY 9	1 130 000	1972
1973	261 AT 15:20 MST ON JUN 24	186 ON JUN 24	---	---	1973
1974	229 AT 03:50 MST ON JUN 17	210 ON JUN 17	20.5E ON OCT 31	874 000	1974
1975	117 AT 19:00 MST ON JUL 13	106 ON JUL 14	10.9B ON OCT 31	585 000	1975
1976	137 AT 03:00 MST ON AUG 7	129 ON AUG 7	12.9 ON OCT 31	820 000	1976
1977	182 AT 05:30 MST ON JUN 8	162 ON JUN 8	10.6 ON MAY 1 *	965 000	1977
1978	382 AT 23:00 MST ON JUL 11	283 ON JUL 12	24.7 ON OCT 30	1 140 000	1978
1979	163 AT 06:00 MST ON MAY 27	128 ON MAY 27	15.0E ON OCT 31	689 000	1979
1980	668 AT 10:00 MST ON JUN 4 *	546 ON JUN 4 *	22.0E ON OCT 31	1 090 000	1980
1981	194 AT 16:35 MST ON JUL 24	190E ON JUL 15	17.6 ON MAY 7	902 000	1981
1982	269 AT 18:40 MST ON JUL 5	262 ON JUL 5	13.3B ON MAY 1	1 010 000	1982
				893 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	0.113	0.064	0.027	0.177	4.18	8.54	3.91	1.30	0.579	0.406	0.220	0.064	3.14	1971
1972	0.062	0.057	0.019	0.008	---	---	---	---	---	0.732	0.562	0.264	---	1972
1973	0.205	0.150	0.088	0.078	2.49	5.55	3.70	1.34	0.799	0.501	0.281	0.221	2.39	1973
1974	0.123	0.073	0.021	0.027	0.632	8.84	4.25	1.71	0.710	0.384	---	---	2.73	1974
1975	---	---	---	---	0.326	3.04	3.68	1.63	0.951	0.493	---	---	1.68	1975
1976	---	---	---	---	2.27	3.98	4.89	2.53	1.67	0.630	---	---	2.66	1976
1977	---	---	---	---	0.995	3.29	1.30	1.47	1.03	0.453	---	---	1.42	1977
1978	---	---	---	---	0.940	6.63	3.36	1.12	0.789	0.600	---	---	2.22	1978
1979	---	---	---	---	1.01	3.84	1.89	0.659	0.360	0.173	---	---	1.31	1979
1980	---	---	---	---	3.54	5.07	1.70	1.34	0.935	0.723	---	---	2.21	1980
1981	---	---	---	---	3.89	3.86	6.14	2.32	0.771	0.386	---	---	2.90	1981
1982	---	---	---	---	1.33	7.30	3.41	1.56	0.937	0.538	---	---	2.49	1982
MEAN	0.126	0.086	0.039	0.072	1.96	5.45	3.48	1.54	0.866	0.502	0.354	0.183	2.29	MEAN

LOCATION - LAT 51 05 55 N DRAINAGE AREA, 109 km²
LONG 115 39 55 W NATURAL FLOW

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	12.3 E ON JUN 7	0.345B ON OCT 26	49 900	1971
1972	---	---	---	---	1972
1973	---	11.3 E ON JUN 24	0.113B ON MAY 1	38 000	1973
1974	---	19.8 E ON JUN 17 *	0.113E ON MAY 1	43 400	1974
1975	13.1 AT 19:30 MST ON JUL 11	6.88 ON JUL 5	0.006B ON MAY 1 *	26 800	1975
1976	12.5 AT 11:30 MST ON JUL [illegible]	11.5 ON JUL 1	0.263 ON MAY 1	42 300	1976
1977	12.8 AT 23:59 MST ON JUN 8	11.6 ON JUN 8	0.311A ON OCT 31	22 500	1977
1978	14.0 AT 23:00 MST ON JUN 5	12.3 ON JUN 6	0.261E ON MAY 6	35 400	1978
1979	8.92 AT 04:00 MST ON MAY 27	7.63 ON MAY 27	0.060B ON MAY 1	20 900	1979
1980	10.0 AT 01:10 MST ON JUN 11	8.71 ON MAY 26	0.392A ON OCT 29	35 100	1980
1981	14.4 AT 05:55 MST ON MAY 26	13.5 ON MAY 26	0.290E ON OCT 25	46 100	1981
1982	14.6 AT 02:55 MST ON JUN 15 *	13.1 ON JUN 15	0.378E ON OCT 31	39 600	1982
MEAN				36 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	0	0.001	0.001	0.001	0	---	1926
1927	0.001	0	0.001	0.059	0.018	0.240	0.106	0.004	0.005	0.002	0	---	---	1927
MEAN	0.001	0	0.001	0.059	0.018	0.240	0.106	0.002	0.003	0.002	0.001	0	---	MEAN

LOCATION - LAT 55 26 00 N DRAINAGE AREA, 5.13 km²
LONG 116 17 00 W NATURAL FLOW

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1926	---	---	0 ON AUG 5 *	---	1926
1927	---	2.83 ON JUN 30 *	0B ON FEB 5	---	1927
MEAN				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.051	0.003	0.001	0	0	0.002	0.002	---	1967
1968	0.005	0.003	0.007	0.042	0.178	0.194	0	0	0	0	0.001	0.004	0.036	1968
1969	---	---	0	0.306	0.080	0.002	0	0	0.001	0.002	---	0.004	---	1969
1970	---	---	0.005	0.270	0.138	0.005	0	0	0	0	0	---	---	1970
1971	---	---	0.001	0.055	0.027	0.381	0.303	0.002	0	0.001	---	---	---	1971
1972	0.003	0.003	0.006	0.406	0.183	0.192	0.025	0.007	0.005	0.004	---	---	---	1972
1973	0.003	0.003	0.003	0.319	0.158	0.247	0.030	0.004	0.004	0.021	---	---	---	1973
1974	---	---	0.006	0.899	0.445	0.012	0	0	0.001	0.001	---	---	---	1974
1975	---	---	---	0.097	0.156	0.026	---	0.001	0.001	0.002	---	---	---	1975
1976	---	---	---	0.431	0.117	0.586	0.162	0.620	0.224	0.047	---	---	---	1976
1977	---	---	0.002	0.598	0.467	0.106	0.216	0.015	0.028	0.055	---	---	---	1977
1978	---	---	---	0.327	0.275	---	0.010	0.001	0.036	0.034	---	---	---	1978
1979	---	---	---	---	0.560	0.385	0.060	0.005	0.001	0.001	---	---	---	1979
1980	---	---	---	0.115	0.016	0.066	0.004	0.001	0.018	0.005	---	---	---	1980
1981	---	---	---	0.282	0.039	0.004	0	0	0	0	---	---	---	1981
1982	---	---	---	0.003	0.171	0	0.031	0.156	0.002	0.001	---	---	---	1982
MEAN	0.004	0.003	0.004	0.296	0.201	0.150	0.056	0.051	0.020	0.011	0.001	0.003	0.036	MEAN

LOCATION - LAT 54 56 10 N LONG 117 44 02 W   DRAINAGE AREA, 19.7 km² NATURAL FLOW   DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 10 *	---	1967
1968	1.95 AT 16:00 MST ON JUN 13	1.53 ON JUN 14	0 ON JUN 25	1 140	1968
1969	---	1.19 B ON APR 29	0 E ON JAN 11	---	1969
1970	---	0.762B ON APR 23	0 ON JUL 4	---	1970
1971	2.73 AT 11:00 MST ON JUL 12	2.51 ON JUL 12	0 B ON MAR 25	---	1971
1972	2.41 AT 10:30 MST ON JUN 26	1.91 ON JUN 26	0.001B ON FEB 29	---	1972
1973	1.31 AT 16:30 MST ON JUN 11	1.20 ON APR 24	0.002B ON FEB 11	---	1973
1974	3.26 AT 00:30 MST ON APR 25	2.94 ON APR 24	0 ON JUL 3	---	1974
1975	---	0.600 ON APR 29	0 B ON JAN 7	---	1975
1976	---	5.15 ON AUG 18 *	---	---	1976
1977	---	3.57 ON APR 9		---	1977
1978	---	1.59 ON APR 30	---	---	1978
1979	4.18 AT 10:45 MST ON JUN 14 *	2.87 ON JUN 14	0.001 ON AUG 22	---	1979
1980	2.25 AT 19:19 MST ON APR 25	0.942 ON APR 25	0 B ON JAN 28	---	1980
1981	1.14 AT 06:51 MST ON APR 21	1.03 ON APR 21	0 ON JUN 22	---	1981
1982	1.19 AT 12:46 MST ON AUG 4	1.08 ON AUG 4	0 B ON APR 10	---	1982
MEAN				1 140	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	2.37	1.03	1.05	1.06	---	---	---	1974
1975	---	---	---	---	1.84	1.18	1.68	0.662	0.545	0.259	---	---	1.03	1975
1976	---	---	---	---	1.89	1.85	1.32	2.48	0.615	0.364	---	---	1.42	1976
1977	---	---	---	---	6.80	5.23	3.22	4.15	3.53	1.68	---	---	4.10	1977
1978	---	---	---	---	4.52	6.16	5.29	1.84	3.42	1.42	---	---	3.76	1978
1979	---	---	---	---	3.20	1.78	0.952	0.758	0.537	0.405	---	---	1.27	1979
1980	---	---	---	---	3.02	17.8	4.81	2.78	2.30	1.27	---	---	5.28	1980
1981	---	---	---	---	4.11	3.22	7.55	4.05	1.60	1.09	---	---	3.62	1981
1982	---	---	---	---	2.72	3.96	11.9	1.31	1.65	2.71	---	---	4.06	1982
MEAN	---	---	---	---	3.51	5.15	4.34	2.12	1.69	1.14	---	---	3.07	MEAN

LOCATION - LAT 52 45 40 N LONG 116 21 20 W   DRAINAGE AREA, 218 km² NATURAL FLOW

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	7.93 AT 02:00 MST ON JUL 12	5.97 ON JUL 12	---	---	1974
1975	4.33 AT 14:30 MST ON JUL 13	3.65 ON MAY 9	0.190B ON OCT 21 *	16 400	1975
1976	6.14 AT 01:00 MST ON AUG 8	5.41 ON AUG 8	0.204B ON OCT 25	22 600	1976
1977	16.7 AT 00:30 MST ON JUN 2	15.1 ON JUN 2	0.603 ON MAY 1	65 200	1977
1978	18.4 AT 24:00 MST ON JUL 11	15.6 ON JUL 12	0.677 ON OCT 27	59 900	1978
1979	5.93 AT 03:00 MST ON MAY 24	5.48 ON MAY 24	0.309 ON OCT 6	20 300	1979
1980	135 AT 16:45 MST ON JUN 4 *	96.7 ON JUN 4 *	0.787B ON OCT 23	84 000	1980
1981	20.3 AT 14:25 MST ON JUL 24	18.1 ON JUL 24	0.490 ON MAY 7	57 400	1981
1982	61.4 AT 12:57 MST ON JUL 5	48.1 ON JUL 5	0.616 ON SEP 25	64 600	1982
MEAN				48 800	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.035	0.916	0.327	0.057	0.010	0.018	0.067	0.068	---	---	0.184	1972
1973	---	---	0.125	1.18	0.299	0.569	0.563	0.418	0.190	0.126	---	---	0.425	1973
1974	---	---	0.061	6.33	0.979	0.657	0.332	0.026	0.024	0.016	---	---	1.08	1974
1975	---	---	0.050	0.774	0.522	0.207	0.045	0.026	0.052	0.070	---	---	0.217	1975
1976	---	---	0.066	0.696	0.157	0.480	0.116	0.022	0.059	0.022	---	---	0.200	1976
1977	---	---	0.056	0.338	0.504	0.064	0	0.004	0.038	0.080	---	---	0.135	1977
1978	---	---	0.172	0.431	0.261	0.160	0.007	0	0.085	0.091	---	---	0.150	1978
1979	---	---	0.236	0.968	0.272	0.276	0.612	0.168	0.018	0.070	---	---	0.326	1979
1980	---	---	0.012	0.914	0.161	0.170	0.128	0.115	0.077	0.085	---	---	0.205	1980
1981	---	---	0.579	0.511	0.133	0.030	0.015	0.016	0	0.010	---	---	0.161	1981
1982	---	---	0	0.335	0.158	0.090	0.073	0.056	0.016	0.027	---	---	0.094	1982
MEAN	---	---	0.127	1.32	0.343	0.251	0.173	0.078	0.052	0.060	---	---	0.285	MEAN

LOCATION - LAT 53 00 26 N   DRAINAGE AREA, 709 km²
LONG 110 51 57 W   NATURAL FLOW

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.73 B ON APR 7	0 B ON MAR 1 *	3 900	1972
1973	5.38 AT 18:10 MST ON JUN 16	3.99 ON JUN 16	0 B ON MAR 1	8 990	1973
1974	27.4 AT 22:30 MST ON APR 19 *	20.2 ON APR 18 *	0.010 ON OCT 12	21 900	1974
1975	2.45B AT 10:30 MST ON APR 18	1.98 ON APR 24	0 ON JUL 30	4 590	1975
1976	---	2.34 B ON APR 6	0 ON AUG 8	4 220	1976
1977	1.10B AT 21:00 MST ON APR 8	0.966 ON MAY 17	0 ON JUN 23	2 870	1977
1978	1.00B AT 14:15 MST ON APR 1	0.852B ON APR 1	0 ON JUL 6	3 180	1978
1979	4.51 AT 16:30 MST ON JUL 29	1.85 ON JUL 30	0.006 ON SEP 16	6 910	1979
1980	2.68B AT 12:25 MST ON APR 10	1.96 ON APR 16	0.001B ON MAR 1	4 350	1980
1981	2.40 AT 15:30 MST ON MAR 28	2.34 B ON MAR 29	0 ON JUL 22	3 410	1981
1982	---	0.963B ON APR 22	0 B ON MAR 1	1 990	1982
				6 030	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	0	---	---	---	1935
1936	---	---	0.355	0.043	0.001	0	--	---	---	---	---	---	---	1936
MEAN	---	---	0.355	0.043	0.001	0	---	---	---	0	---	---	---	MEAN

LOCATION - LAT 49 14 40 N   DRAINAGE AREA, 119 km²
LONG 113 25 00 W   NATURAL FLOW

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON OCT 1 *	---	1935
1936	---	3.96B ON MAR 2 *	0B ON MAR 23	---	1936
				---	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	0.095	0.002	0	0	0	0	0	---	---	0.012	1962
1963	---	---	0.221	0.027	0	0	0	0	0	0	---	---	0.031	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.027	1.08	0.013	0.004	0	0	0	0	---	---	0.138	1965
1966	---	---	0.202	0.146	0.005	0	0.004	0	0	0	---	---	0.045	1966
1967	---	---	0.105	0.002	0.050	0.027	0	0	0	0	---	---	0.131	1967
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.290	0	0	0	0	0	0	---	---	0.036	1969
1970	---	---	0.062	0.618	0.008	0.006	0.452	0.002	0	0	---	---	0.143	1970
1971	---	---	0.063	2.39	0.031	0.028	0.013	0	0	0	---	---	0.309	1971
1972	---	---	0.145	0.059	0.003	0	0	0	0	0	---	---	0.026	1972
1973	---	---	0	0.010	0.004	0.336	0.054	0.001	0	0	---	---	0.051	1973
1974	---	---	0	2.83	0.729	0.055	0.009	0	0	0	---	---	0.447	1974
1975	---	---	0	1.19	0.507	0.051	0.005	0	0	0	---	---	0.217	1975
1976	---	---	0.037	0.052	0.017	0.006	0.001	0	0	0	---	---	0.014	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.165	0.024	0.003	0.016	0	0	0	0	---	---	0.026	1978
1979	---	---	0.075	0.020	0	0	0	0	0	0	---	---	0.012	1979
1980	---	---	0.013	0.121	0	0	0	0	0	0	---	---	0.017	1980
MEAN	---	---	0.059	0.518	0.072	0.028	0.028	0	0	0	---	---	0.087	MEAN

LOCATION - LAT 51 39 00 N DRAINAGE AREA, 209 km²
LONG 112 00 30 W REGULATED SINCE 1976

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.391 ON APR 29	0B ON MAR 1 *	252	1962
1963	---	0.391B ON MAR 1	0 ON APR 27	661	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	4.02 B ON APR 11	0B ON MAR 1	2 920	1965
1966	---	1.17 B ON MAR 31	0B ON MAR 1	945	1966
1967	---	3.09 B ON APR 10	0B ON MAR 1	2 770	1967
1968	---	0.027B ON MAR 5	0B ON MAR 6	4.41	1968
1969	---	2.04 ON APR 10	0B ON MAR 1	771	1969
1970	---	2.73 ON APR 6	0B ON MAR 1	3 020	1970
1971	15.3 AT 05:00 MST ON APR 8 *	13.9 ON APR 8 *	0B ON MAR 1	6 540	1971
1972	---	0.920B ON MAR 25	0B ON MAR 1	549	1972
1973	2.07 AT 03:20 MST ON JUN 18	1.83 ON JUN 18	0B ON MAR 1	1 080	1973
1974	10.5 AT 18:30 MST ON APR 16	10.1 ON APR 16	0B ON MAR 1	9 470	1974
1975	6.00 AT 15:45 MST ON APR 21	5.78 ON APR 22	0B ON MAR 1	4 610	1975
1976	---	0.212B ON MAR 28	0B ON MAR 1	299	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	1.59 B ON MAR 27	0B ON MAR 1	552	1978
1979	---	0.993B ON MAR 13	0B ON MAR 1	254	1979
1980	---	1.89 ON APR 1	0B ON MAR 1	349	1980
MEAN				1 840	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	1936
MEAN	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 07 20 N DRAINAGE AREA, 1 430 km²
LONG 111 54 20 W NATURAL FLOW

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	19.8E ON APR 14 *	0B ON MAR 1 *	---	1936
MEAN				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.008R	1.02 R	0.005R	0	0	0	0	0	---	---	0.175R	1965
1966	---	---	0.501R	0.168R	0	0	0	0	0	0	---	---	0.084R	1966
1967	---	---	0	0.375R	0.316R	0.309R	0.002R	0	0	0.139	---	---	0.141R	1967
1968	---	---	0.001	0.004	0	0	0	0	0	0	---	---	0.001	1968
1969	---	---	0	2.12 R	0.367R	0 R	0	0	0	0	---	---	0.306R	1969
1970	---	---	0.030	1.14	0.073	0.136	0.049	0	0	0	---	---	0.176	1970
1971	---	---	0	9.07	4.10	1.17	0.013	0	0	0	---	---	1.77	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0.002	0	0	0	0	---	---	0	1973
1974	---	---	0	0.397	3.71	0.362	0.003	0	0	0	---	---	0.562	1974
1975	---	---	0	0.008	1.39	0.309	0.011	0.001	0	0	---	---	0.216	1975
1976	---	---	0.002	0.103	0	0	0	0	0	0	---	---	0.013	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	---	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
MEAN	---	---	0.030R	0.823R	0.524R	0.120R	0.004R	0	0	0.007	---	---	0.191	MEAN

LOCATION - LAT 51 05 56 N DRAINAGE AREA, 1 470 km²
LONG 111 55 44 W REGULATED

R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0 ON MAR 1	0 ON MAR 1 *	0	1964
1965	9.49 RB AT 17:30 MST ON APR 9	8.33 R ON APR 10	0RB ON MAR 1	3 710 R	1965
1966	5.66 R AT 00:30 MST ON MAR 29	4.22 RA ON MAR 30	0RB ON MAR 1	1 780 R	1966
1967	---	2.39 RA ON APR 28	0B ON MAR 1	2 990 R	1967
1968	---	0.014 ON APR 5	0B ON MAR 1	11.1	1968
1969	---	16.8 R ON APR 9	0B ON MAR 1	6 460 R	1969
1970	---	4.11 ON APR 5	0B ON MAR 1	3 720	1970
1971	19.1 AT 12:00 MST ON APR 22 *	18.9 ON APR 22 *	0B ON MAR 1	37 600	1971
1972	---	0 ON MAR 1	0 ON MAR 1	0	1972
1973	0.091 AT 16:30 MST ON JUN 15	0.037 ON JUN 15	0 ON MAR 1	3.89	1973
1974	6.60 AT 13:30 MST ON MAY 6	6.46 ON MAY 6	0B ON MAR 1	11 900	1974
1975	3.26 AT 11:00 MST ON MAY 21	3.03 ON MAY 21	0B ON MAR 1	4 570	1975
1976	0.940B AT 12:00 MST ON APR 3	0.354B ON APR 3	0B ON MAR 1	273	1976
1977	0 IN MAY	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	---	0 ON MAR 1	---	1979
1980	---	0 E ON MAR 1	0E ON MAR 1	0	1980
1981	---	0 B ON MAR 1	0B ON MAR 1	0	1981
1982	---	0 B ON MAR 1	0B ON MAR 1	0	1982
MEAN				4 060 R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.081	0.493	0.005	0	0	0.105	0.011	0.005	---	---	0.086	1980
1981	---	---	0.045R	0.008R	0.001R	0R	0.001R	0.002R	0 R	0 R	---	---	0.007R	1981
1982	---	---	0.027	0.281	0.009	0	0.057	0.001	0	0	---	---	0.046	1982
MEAN	---	---	0.051R	0.261R	0.005R	0R	0.019R	0.036R	0.004R	0.002R	---	---	0.046	MEAN

LOCATION - LAT 51 39 43 N DRAINAGE AREA, 197 km²
LONG 112 05 00 W NATURAL FLOW

R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.50 B ON MAR 31 *	0B ON MAR 1 *	1 830	1980
1981	---	0.076RB ON MAR 18	0R ON MAY 1	151R	1981
1982	1.17 AT 08:30 MST ON APR 14 *	1.10 ON APR 14	0B ON MAR 1	981	1982
MEAN				987R	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.048	1.52	1.04	0.001	0.182	0.020	0.012	0.013	0.019	---	---	0.351	1925
1926	---	---	0.345	0.055	0	0.001	0	0.015	0.060	0.060	---	---	0.067	1926
1927	---	0.003	0.257	3.16	1.65	1.18	0.552	0.520	0.141	0.101	---	---	0.938	1927
1928	---	---	2.44	0.035	0	0.058	0.503	0.013	0.012	0.014	---	---	0.389	1928
1929	---	---	0.751	0.262	0.136	0.091	0.040	0.004	0.014	0.041	---	---	0.168	1929
MEAN	---	0.026	1.06	0.910	0.357	0.302	0.223	0.113	0.048	0.047	---	---	0.383	MEAN

LOCATION - LAT 49 55 30 N DRAINAGE AREA, 411 km²
LONG 110 39 10 W NATURAL FLOW

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	22.3 ON MAR 29 *	0B ON MAR 1 *	7 420	1925
1926	---	2.04 ON MAR 4	0 ON MAR 8	1 420	1926
1927	---	13.1 ON APR 17	0B ON MAR 1	19 900	1927
1928	---	10.6 E ON JUL 1	0 ON APR 5	8 220	1928
1929	---	2.27 ON MAR 28	0B ON MAR 1	3 560	1929
				8 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	2.77	0.124	0.019	0.004	0	0.008	0.015	---	---	---	1912
1913	---	---	---	2.51	0.051	0.007	0.004	0.006	0.002	0.013	---	---	---	1913
1914	---	---	---	0.314	0.033	0.006	0	0	0.008	0.108	---	---	---	1914
1915	---	---	---	0.589	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.55	0.069	0.011	0.003	0.002	0.006	0.045	---	---	---	MEAN

LOCATION - LAT 49 44 10 N DRAINAGE AREA, 205 km²
LONG 110 36 10 W NATURAL FLOW

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.6 E ON APR 3 *	0 ON JUN 25 *	---	1912
1913	---	11.9 ON APR 5	0 ON JUN 10	---	1913
1914	---	1.19 ON MAR 30	0 ON MAY 27	---	1914
1915	---	6.31 ON APR 3	0 ON MAR 13	---	1915
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO. 05AH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	0.370	0.575	0.007	0	0	---	---	---	1915
1916	---	---	1.30	0.213	0.236	1.18	0.594	0.580	0.120	0.062	---	---	0.535	1916
1917	---	---	---	3.77	0.909	0.221	0.008	0	0	---	---	---	---	1917
1918	---	---	---	1.52	0.172	0.010	---	---	---	---	---	---	---	1918
1919	---	---	---	0.427	0.018	---	---	---	---	---	---	---	---	1919
1920	---	---	---	1.10	0.222	0.080	0.015	---	---	---	---	---	---	1920
1921	---	---	1.23	3.13	0.287	0.007	0.043	0	---	---	---	---	---	1921
1922	---	---	0.460	3.89	0.553	0.013	0.001	---	---	---	---	---	---	1922
1923	---	---	0.195	0.567	0.013	0.185	0.668	0.453	0.003	0.001	---	---	0.261	1923
1924	---	0.001	0.027	0.218	0.013	0.003	0	0	0	0	---	---	0.032	1924
1930	---	1.53	0.790	1.61	0.363	0.025	0.003	0.001	0.008	0.001	---	---	0.348	1930
1931	---	---	0.047	0.045	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.440	---	0.115	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.766	0.561	1.50	0.264	0.191	0.212	0.149	0.019	0.011	---	---	0.294	MEAN

LOCATION - LAT 49 52 30 N DRAINAGE AREA, 315 km²
LONG 110 38 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO. 05AH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON AUG 8 *	---	1915
1916	---	5.95 ON JUN 11	0B ON MAR 6	11 300	1916
1917	---	10.8 ON APR 10	0 ON JUL 24	---	1917
1918	---	3.17 ON APR 9	0 ON JUN 9	---	1918
1919	---	1.61 ON APR 18	0B ON MAR 25	---	1919
1920	---	5.72 ON APR 13	0 ON JUN 6	---	1920
1921	---	15.5 ON APR 3 *	0B ON MAR 9	---	1921
1922	---	12.9 ON APR 22	0B ON MAR 1	---	1922
1923	---	12.5 ON AUG 16	0B ON MAR 1	5 520	1923
1924	---	0.923B ON APR 5	0B ON MAR 14	682	1924
1930	---	7.82 ON APR 4	0 ON JUL 29	7 370	1930
1931	---	0.181 ON MAR 22	0B ON MAR 9	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	---	0B ON MAR 1	---	1936

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD 6 220 MEAN

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0	0	0	0	0.326	2.54	7.16	4.68	6.07	7.44	1.41	0	2.49	1914
1915	0	0	0	2.28	3.03	2.72	3.23	3.58	14.4	15.7	8.10	7.16	5.03	1915
1916	5.68	6.98	0	0	2.12	1.58	2.20	2.14	2.60	2.71	1.67	0.068	2.38	1916
1917	0	0	0	0	1.62	3.07	7.82	9.45	4.25	5.36	11.7	3.19	3.90	1917
1918	5.39	2.97	2.30	0.076	3.69	10.1	18.5	16.1	19.3	10.4	1.17	0	7.55	1918
1920	0	0	0	0	1.53	17.8	24.4	18.8	15.7	2.63	0	0	6.73	1920
1921	0	0	0	0	2.72	32.4	41.0	29.8	28.4	10.6	0.632	0	12.2	1921
1922	0	0	0	0	3.68	35.7	40.1	23.6	16.7	3.77	0	0	10.4	1922
1923	0	0	0	0	13.7	16.7	22.3	28.0	26.6	1.04	0	0	9.08	1923
1924	0	0	0	0.523	30.1	44.1	47.5	34.6	24.9	8.53	0	0	15.9	1924
1925	0	0	0	0	11.4	27.0	37.0	25.3	19.3	0.249	0	0	10.1	1925
1926	0	0	0	0	16.6	40.1	37.9	26.0	19.9	0.180	0	0	11.8	1926
1927	0	0	0	0	4.43	15.4	26.4	26.8	18.9	0.397	0	0	7.75	1927
1928	0	0	0	0	19.2	34.0	21.7	21.6	19.7	0.598	0	0	9.74	1928
1929	0	0	0	2.79	14.7	37.5	49.3	36.5	30.0	18.5	0	0	15.9	1929
1930	0	0	0	9.71	29.0	50.1	51.5	44.2	41.5	2.46	0	0	19.1	1930
MEAN	0.692	0.622	0.144	0.961	9.87	23.2	27.4	21.9	19.3	5.66	1.56	0.651	9.37	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W REGULATED

DATA CONTRIBUTED BY -
CANADIAN PACIFIC RAILWAY

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	14.5 ON OCT 22	0 ON JAN 1 *	78 400	1914
1915	---	22.8 ON OCT 29	0 ON JAN 1	159 000	1915
1916	---	13.1 ON FEB 18	0 ON FEB 29	72 600	1916
1917	---	21.5B ON NOV 27	0 ON JAN 1	123 000	1917
1918	---	22.9 ON JUL 26	0B ON MAR 24	238 000	1918
1920	---	29.7 ON JUL 4	0 ON JAN 1	213 000	1920
1921	---	45.9 ON JUL 3	0 ON JAN 1	385 000	1921
1922	---	51.8 ON JUN 29	0 ON JAN 1	326 000	1922
1923	---	37.9 ON MAY 31	0 ON JAN 1	287 000	1923
1924	---	48.7 ON JUL 27	0 ON JAN 1	503 000	1924
1925	---	42.5 ON JUL 4	0 ON JAN 1	319 000	1925
1926	---	46.4 ON JUN 12	0 ON JAN 1	372 000	1926
1927	---	27.4 ON AUG 7	0 ON JAN 1	244 000	1927
1928	---	41.3 ON JUN 3	0 ON JAN 1	308 000	1928
1929	---	56.6 ON JUL 4	0 ON JAN 1	501 000	1929
1930	---	58.3 ON JUN 23 *	0 ON JAN 1	603 000	1930

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD 296 000 MEAN

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.031	0.096	0.091	0.029	0.012	0.009	0.007	0.005	---	1963
1964	0.004	0.003	0.002	0.005	0.034	0.194	0.046	0.013	0.011	0.009	0.005	0.003	0.027	1964
1965	0.002	0.002	0.002	0.009	0.034	0.122	0.076	0.036	0.027	0.044	0.018	0.009	0.032	1965
1966	0.007	0.005	0.005	0.006	0.049	0.095	0.042	0.015	0.009	0.008	0.006	0.005	0.021	1966
1967	0.004	0.003	0.003	0.003	0.036	0.149	0.038	0.012	0.007	0.006	0.005	0.003	0.022	1967
1968	0.003	0.003	0.003	0.003	0.027	0.081	0.037	0.019	0.014	0.013	0.008	0.006	0.018	1968
1969	0.004	0.004	0.003	0.012	0.074	0.102	0.103	0.018	0.010	0.008	0.006	0.004	0.029	1969
1970	0.003	0.003	0.003	0.003	0.028	0.093	0.040	0.012	0.008	0.006	0.005	0.004	0.017	1970
1971	0.003	0.003	0.002	0.004	0.057	0.148	0.030	0.011	0.008	0.006	0.005	0.002	0.023	1971
1972	0.002	0.002	0.003	0.003	0.053	0.148	0.050	0.021	0.013	0.010	0.006	0.005	0.026	1972
1973	0.005	0.003	0.003	0.004	0.047	0.114	0.041	0.015	0.012	0.009	0.007	0.005	0.022	1973
1974	0.005	0.004	0.003	0.006	0.028	0.178	0.050	0.020	0.012	0.010	0.007	0.005	0.027	1974
1975	0.003	0.003	0.003	0.003	0.027	0.079	0.039	0.024	0.015	0.010	0.007	0.005	0.018	1975
1976	0.004	0.004	0.003	0.007	0.093	0.064	0.031	0.032	0.026	0.017	0.009	0.006	0.025	1976
1977	0.005	0.004	0.003	0.009	0.035	0.031	0.016	0.019	0.020	0.015	0.009	0.006	0.014	1977
1978	0.005	0.004	0.003	0.007	0.052	0.109	0.036	0.018	0.013	0.011	0.007	0.005	0.023	1978
1979	0.003	---	---	---	---	0.052	0.019	0.011	0.007	0.005	0.003	0.003	---	1979
1980	0.003	0.003	0.003	0.018	0.069	0.107	0.025	0.017	0.020	0.020	0.012	0.007	0.025	1980
1981	0.006	0.005	0.004	0.009	0.098	0.131	0.071	0.044	0.016	0.010	0.006	0.005	0.034	1981
1982	---	---	---	---	---	0.104	0.035	0.015	0.010	0.009	0.006	0.005	---	1982
MEAN	0.004	0.003	0.003	0.007	0.048	0.110	0.046	0.020	0.014	0.012	0.007	0.005	0.024	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.12 km^2
LONG 115 10 00 W NATURAL FLOW

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.566 AT 01:00 MST ON JUN 30	0.464 ON JUN 30	---	---	1963
1964	0.510 AT 08:30 MST ON JUN 8	0.425 ON JUN 8	0.001 ON MAR 8 *	860	1964
1965	0.394 AT 03:30 MST ON JUN 18	0.309 ON JUN 18	0.001 ON FEB 12	1 010	1965
1966	0.190 AT 17:00 MST ON JUN 7	0.167 ON JUN 7	0.004 ON MAR 15	662	1966
1967	0.224 AT 16:30 MST ON JUN 6	0.190 ON JUN 6	0.002E ON MAR 11	706	1967
1968	0.227 AT 14:10 MST ON JUN 2	0.150 ON JUN 2	0.002 ON FEB 19	573	1968
1969	0.326 AT 20:00 MST ON JUN 29	0.309 ON JUN 29	0.003 ON JAN 31	925	1969
1970	0.323 AT 21:20 MST ON JUN 13	0.261 ON JUN 16	0.003 ON JAN 1	544	1970
1971	0.578 AT 01:30 MST ON JUN 6 *	0.481 ON JUN 5 *	0.001 ON DEC 11	729	1971
1972	0.289 AT 15:30 MST ON JUN 10	0.252 ON JUN 10	0.001 ON JAN 1	832	1972
1973	---	0.170 ON JUN 7	0.003 ON FEB 13	699	1973
1974	0.459 AT 15:20 MST ON JUN 16	0.382 ON JUN 16	0.003 ON JAN 12	862	1974
1975	0.144 AT 16:30 MST ON JUN 21	0.130 ON JUN 21	0.002 ON FEB 4	576	1975
1976	0.184 AT 16:00 MST ON MAY 10	0.136 ON MAY 10	0.003 ON FEB 18	782	1976
1977	0.082 AT 04:30 MST ON MAY 11	0.065 ON MAY 24	0.003 ON FEB 28	449	1977
1978	0.272 AT 16:00 MST ON JUN 4	0.181 ON JUN 5	0.003 ON FEB 13	710	1978
1979	0.204 AT 15:00 MST ON MAY 26	0.139 ON MAY 26	---	---	1979
1980	0.228 AT 17:45 MST ON JUN 9	0.198 ON JUN 9	0.003 ON JAN 1	799	1980
1981	0.403 AT 16:20 MST ON MAY 21	0.271 ON MAY 21	0.002A ON DEC 28	1 070	1981
1982	0.206 AT 14:26 MST ON JUN 12	0.158 ON JUN 12	---	---	1982
MEAN				752	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.009	0.014	0.023	---	---	---	1972
1973	---	---	---	---	---	---	0.010	0.007	0.004	0.008	---	---	---	1973
1974	---	---	---	---	---	0.014	0.011	0.005	0.006	0.003	---	---	---	1974
1975	---	---	---	---	0.013	0.014	0.004	0.001	0.001	0.001	---	---	0.006	1975
1976	---	---	---	---	0.005	0.003	0.003	0.018	0.004	0.003	---	---	0.006	1976
1977	---	---	---	---	0.076	0.038	0.048	0.053	0.046	0.029	---	---	0.048	1977
MEAN	---	---	---	---	0.031	0.017	0.015	0.016	0.013	0.011	---	---	0.020	MEAN

LOCATION - LAT 53 23 26 N DRAINAGE AREA, 2.72 km^2 DATA CONTRIBUTED BY -
LONG 117 29 11 W NATURAL FLOW HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.082 AT 00:00 MST ON OCT 1	0.071 ON OCT 1	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	0.142 AT 16:00 MST ON JUN 28	0.099 ON JUN 28	0.001 ON JUL 25 *	89.5	1975
1976	0.142 AT 15:16 MST ON AUG 16	0.108 ON AUG 16	0.001 ON MAY 27	96.9	1976
1977	0.309 AT 17:00 MST ON MAY 29 *	0.221 ON MAY 29 *	0.007 ON MAY 1	769	1977
MEAN				318	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO 07AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965							0 193	0 031	0 070	0 019				1965
1966						0 076	0 055	0 080	0 011	0 022				1966
1967					0 059	0 119	0 040	0 006	0 002	0 002			0 035	1967
1968					0 024	0 011	0 010	0 010	0 005	0 004			0 011	1968
1969					0 026				0 016					1969
1970			0	0 002	0 014	0 047	0 044	0 004	0 001	0 001			0 015	1970
1971					0 047	0 149	0 185	0 010	0 009	0 007			0 061	1971
1972			0 001	0 014	0 083	0 085	0 039	0 025	0 049	0 063			0 054	1972
1973					0 110	0 060	0 019	0 014	0 009	0 015			0 038	1973
1975					0 032	0 031	0 010	0 001	0 001	0 001			0 013	1975
1976					0 029	0 009	0 007	0 038	0 006	0 004			0 015	1976
1977					0 137	0 046	0 071	0 084	0 109	0 067			0 082	1977
MEAN			0 001	0 008	0 058	0 059	0 056	0 040	0 048	0 017			0 036	MEAN

LOCATION LAT 53 24 08 N DRAINAGE AREA 7 15 km²
LONG 117 30 27 W NATURAL FLOW

DATA CONTRIBUTED BY
HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO 07AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0 991 AT 14:00 MST ON JUL 8 *	0 659 ON JUL 8			1965
1966	0 473 AT 14:00 MST ON AUG 5	0 300 ON AUG 28			1966
1967	0 391 AT 22:00 MST ON JUN 17	0 299 ON JUN 18	0 0018 ON SEP 17	550	1967
1968	0 071 AT 08:30 MST ON MAY 10	0 095 ON MAY 9	0 001 ON JUN 21	169	1968
1969	0 999R AT 17:00 MST ON AUG 5	0 702 ON AUG 5 *			1969
1970	0 232 AT 21:00 MST ON JUN 15	0 150 ON JUN 16	0 B ON OCT 21 *	235	1970
1971	0 818 AT 20:30 MST ON JUL 11	0 690 ON JUL 11	0 0048 ON SEP 16	969	1971
1972	0 518 AT 01:30 MST ON JUN 25	0 439 ON JUN 25	0 012 ON JUN 10	859	1972
1973	0 422 AT 17:35 MST ON JUN 24	0 278 ON MAY 27	0 006 ON AUG 15	601	1973
1975	0 337 AT 16:30 MST ON JUN 28	0 218 ON JUN 28	0 001 ON AUG 1	201	1975
1976	0 357 AT 14:50 MST ON AUG 16	0 289 ON AUG 16	0 001 ON JUN 10	211	1976
1977	0 725 AT 17:30 MST ON MAY 29	0 492 ON MAY 29	0 002 ON JUN 10	1 110	1977
MEAN				570	MEAN

B ESTIMATED
* EXTREME RECORDED FOR THE PERIOD OF RECORD
R REVISED SINCE JAN 1980

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO 05BM010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951						0 699	0 667	0 494	0 191	0 108				1951
1952						0 172	0 192	0 966	0 991	0 227				1952
1953					0 330	0 612	0 311	0 883	0 821	0 309			0 509	1953
1954					0 905	1 10	0 373	0 655	0 561	0 461			0 604	1954
1955					0 133	0 199	0 705	0 289	0 448	0 150			0 476	1955
1956					0 215	0 766	0 250	0 229	0 216	0 183			0 315	1956
1957					0 965	0 387	0 096	0 054	0 033	0 192			0 199	1957
1958					0 371	0 712	0 827	0 182	0 078	0 027			0 388	1958
1959					0 289	0 844	0 720	0 170	0 972	0 261			0 571	1959
MEAN					0 389	0 620	0 460	0 357	0 477	0 185			0 405	MEAN

LOCATION LAT 50 58 30 N
LONG 111 26 30 W REGULATED

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO 05BM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951		2 69 ON AUG 16			1951
1952		1 93 ON JUN 22			1952
1953		2 81 ON JUN 11	0 011 ON OCT 22	8 100	1953
1954		2 80 ON MAY 16	0 017 ON JUL 19	9 590	1954
1955		2 27 ON JUL 5	0 ON JUL 17 *	6 390	1955
1956		5 00 ON MAY 21	0 057 ON JUL 22	5 010	1956
1957		3 23 ON MAY 7 *	0 025 ON JUL 26	3 070	1957
1958		1 78 ON JUN 2	0 006 ON OCT 20	5 020	1958
1959		1 90 ON MAY 12	0 006 ON OCT 27	9 090	1959
MEAN				6 550	MEAN

* EXTREME RECORDED FOR THE PERIOD OF RECORD

CAIRN HILL SPILLWAY NEAR THE MOUTH   STATION NO. 05BM012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960					0.932	0.054	0.019	0.008	0.004	0.300			0.493	1960
1961					0.810	0.194	0.006	0.155	0.084	0.059			0.220	1961
1962					1.26	1.15	0.867	1.56	1.35	0.577			1.06	1962
1963					0.391	0.578	0.233	0.167	0.184	0.107			0.276	1963
1964					0.820	0.766	0.496	0.389	1.18	0.198			0.663	1964
1965					0.618	0.991	0.918	0.615	0.805	0.501			0.669	1965
1966					0.519	0.516	0.357	0.276	0.378	0.294			0.379	1966
1967					0.549	0.285	0.529	0.987	0.998	0.375			0.554	1967
1968					0.639	0.908	0.567	1.49	1.57	0.961			0.900	1968
1969					0.351	0.881	0.388	0.209	0.916	0.138			0.500	1969
1970					0.506	1.00	0.573	0.373	0.991	0.303			0.667	1970
1971					0.923	0.211	0.181	0.183	0.113	0.039			0.196	1971
1972					0.903	0.650	0.694	0.600	0.400	0.201			0.582	1972
1973					0.225	0.912	0.226	0.999	0.597	0.282			0.364	1973
1974					0.619	0.689	0.570	0.707	0.578	0.056			0.539	1974
1975					0.587	1.18	0.379	0.167	0.781	0.171			0.533	1975
1976					0.900	0.657	0.158	0.226	0.629	0.529	0.116		0.610	1976
1977					0.972	0.491	0.085	0.269	0.694	0.149			0.387	1977
1978					0.315	0.989	0.214	0.597	0.781	0.175			0.520	1978
1979					0.298	0.503	0.166	0.727	0.150	0.035			0.315	1979
1980					0.735	1.25	0.945	0.607	0.849	0.070			0.651	1980
1981					0.798	0.919	2.12	0.391	0.165	0.078			0.684	1981
1982					0.452	0.455	0.185	0.217	0.176					1982
MEAN					0.599	0.629	0.617	0.462	0.618	0.269	0.116		0.502	MEAN

LOCATION   LAT 50 51 30 N
LONG 113 21 05 W   REGULATED

CAIRN HILL SPILLWAY NEAR THE MOUTH   STATION NO. 05BM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960		2.81 ON SEP 21	0 ON JUL 11 *	1 870	1960
1961		1.98 ON MAY 1	0.006 ON MAY 23	3 610	1961
1962		2.97 ON SEP 9	0.017 ON OCT 30	16 000	1962
1963		3.14 ON JUN 23	0.028 ON OCT 31	4 380	1963
1964		2.53 ON JUN 16	0.008 ON MAY 1	10 500	1964
1965		2.83 ON JUL 9	0.025 ON OCT 29	10 600	1965
1966		2.99 ON JUL 1	0.008 ON OCT 30	6 010	1966
1967		1.16 ON MAY 26	0.019A ON OCT 26	7 010	1967
1968		2.17 ON SEP 22	0.019B ON MAY 1	14 100	1968
1969		2.81 ON JUN 26	0.001B ON OCT 30	7 950	1969
1970		2.78 ON JUN 19	0.029 ON OCT 30	10 300	1970
1971		1.26 ON MAY 18	0.037A ON OCT 25	3 110	1971
1972		1.59 ON AUG 14	0.026 ON MAY 1	7 680	1972
1973		3.06 ON AUG 28	0.012 ON OCT 21	5 760	1973
1974		1.82 ON AUG 14	0.013 ON OCT 24	8 560	1974
1975		2.27 ON JUN 9	0.011 ON OCT 25	8 470	1975
1976		2.50 ON OCT 3	0.076 ON JUL 18	6 840	1976
1977		1.73 ON AUG 10	0.017B ON OCT 31	6 150	1977
1978		1.98 ON AUG 16	0.012 ON OCT 31	8 770	1978
1979		1.41 ON AUG 9	0.025B ON OCT 11	5 960	1979
1980		3.82 ON MAY 27 *	0.010B ON OCT 31	10 300	1980
1981		3.37 ON JUL 15	0.029 ON OCT 22	10 600	1981
1982					1982
				7 980	MEAN

A MANUAL GAUGE   B ICE CONDITIONS   * EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)   E ESTIMATED

CALLUM CREEK AT WALDRON'S RANCH   STATION NO. 05AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973			0.239	0.389	0.481	0.395	0.118	0.087	0.081	0.082			0.212	1973
MEAN			0.239	0.389	0.481	0.395	0.118	0.087	0.081	0.082			0.212	MEAN

LOCATION   LAT 49 49 17 N   DRAINAGE AREA 189 km²
LONG 114 07 56 W   NATURAL FLOW

CALLUM CREEK AT WALDRON'S RANCH   STATION NO. 05AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973		1.35 ON MAY 28 *	0.031 ON SEP 10 *	4 490	1973
				4 490	MEAN

* EXTREME RECORDED FOR THE PERIOD OF RECORD

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975								0.214	0.112	0.207	0.071	0.007		1975
1976	0.007	0	0	.42	0.257	0.040	0.081	0.120	0.061	0.125	0.026	0.001	0.176	1976
1977	0	0	0	0.284	0.262	0.375	0.238	0.042	0.047	0.109	0.042	0.001	0.099	1977
MEAN	0.002	[illegible]	0	0.752	0.197	0.258	0.160	[illegible]	0.140	0.147	0.046	0.004	[illegible]	MEAN

LOCATION - LAT [illegible] N DRAINAGE AREA [illegible] km²
LONG [illegible] W NATURAL FLOW

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975					1975
1976		[illegible] A ON APR [illegible] *	0B ON JAN [illegible] *	[illegible]	1976
1977	[illegible] AT [illegible] ON JUN [illegible] *	0.503 ON JUL [illegible]	0B ON JAN	[illegible]	1977
				[illegible]	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
SEE REFERENCE INDEX

CAMERON CREEK AT WATERTON PARK - STATION NO. [illegible]

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.623	[illegible]	[illegible]	[illegible]	1976
1977	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1977
1978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1978
1979	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1979
1980	[illegible]	[illegible]	[illegible]											1980
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MEAN

LOCATION - LAT [illegible] N DRAINAGE AREA [illegible] km²
LONG [illegible] W NATURAL FLOW

CAMERON CREEK AT WATERTON PARK - STATION NO. [illegible]

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976		[illegible] ON JUN 15	0.0258 ON DEC [illegible] *	[illegible]	1976
1977		[illegible] A ON JUN [illegible] *	0.283A ON MAR [illegible]	54 [illegible]	1977
1978		[illegible] ON JUN [illegible]	0.212B ON DEC 24	55 200	1978
1979		[illegible] ON MAY [illegible]	0.227B ON NOV 25	41 500	1979
1980		[illegible] ON JAN 26	[illegible] ON MAR [illegible]		1980
				[illegible]	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
SEE REFERENCE INDEX

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966										1.51				1966
1967					0.812	0.550	0.890	[illegible]	1.32	0.881			0.938	1967
1968					[illegible]	1.10	0.695	1.46	1.21	0.720			0.951	1968
1969					0.328	1.10	0.440	0.648						1969
1970					0.627	0.738	0.583	0.588	0.818	0.597			0.620	1970
1971					0.278	0.741	0.342	0.707	0.494	0.848			0.556	1971
1972														1972
MEAN					0.470	1.045	0.610	0.947	1.01	0.684			0.772	MEAN

LOCATION - LAT 49 40 10 N
LONG 112 27 40 W REGULATED

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966					1966
1967		2.76 ON SEP 26 *	0 ON MAY 1 *	15 200	1967
1968		2.42 ON JUN 9	0 ON MAY 6	15 200	1968
1969		1.96 ON JUN 25	0 ON MAY 4		1969
1970		1.96 ON JUN 15	0 ON MAY 1	9 860	1970
1971		1.16 ON JUN 11	0 ON MAY 4	8 810	1971
1972			0 ON MAY 18		1972
				12 [illegible]	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928					0.188	0.065	0.014	0.011	0.001	0		0		1928
1929	0	0	0.010	0.071	0.001	0	0	0	0	0.052	0.025	0	0.011	1929
1930	0	0	0.002	0.006	0	0	0.001		0					1930
MEAN	0	0	0.006	0.039	0.061	0.022	0.005	0.006	0	0.026	0.025	0	0.011	MEAN

LOCATION - LAT 53 01 00 N DRAINAGE AREA 496 km²
LONG 112 50 00 W NATURAL FLOW

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1928			0 ON JUL 11 *		1928
1929		0.168 ON APR 15 *	0 ON JAN 1	416	1929
1930		0.051 ON APR [illegible]	0 ON JAN 1		1930
				416	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM00[illegible]

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922				0	0	2.84	4.94	6.2[illegible]	6.26	6.6[illegible]	1.21		3.4[illegible]	1922
1923				0	0.504	0.392	4.17	5.88	4.91	3.712	0		2.12	1923
1924				0.094	1.51	1.52	3.22	5.83	3.61	1.56	0		2.41	1924
1925				0	0.000	0.384	0.400	0.38[illegible]	0.544	0.01[illegible]	0		0.203	1925
1926				1.98	5.72	5.68	6.48	7.59	0	0	0		3.45	1926
1928				1.14	3.16	4.[illegible]	0.303	0.237	1.18	3.61	0		6.8[illegible]	1928
1929				1.38	3.43	3.431	4.85	7.51	7.22	7.15	1.40		4.46	1929
1930				2.4[illegible]	[illegible]	6.64	[illegible]	6.8[illegible]	0.1[illegible]					1930
MEAN				1.28	3.24	3.54	4.2[illegible]	5.1[illegible]	4.2[illegible]	3.00	0.17[illegible]		2.7[illegible]	MEAN

LOCATION - LAT 50 49 00 N
LONG 113 26 10 W REGULATED

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM00[illegible]

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1922		6.83 ON AUG 22	0 ON APR 1 *	13 000	1922
1923		6.74 ON AUG 6	0 ON APR 1	44 800	1923
1924		7.05 ON SEP 6	0 ON APR 1	61 900	1924
1925		0.883 ON AUG 15	0 ON APR 1	2 580	1925
1926		7.93 ON AUG 17	0 ON APR 1	42 500	1926
1928		7.19 ON MAY 23	0 ON APR 1	66 000	1928
1929		8.52 ON AUG 7 *	0 ON APR 1	94 000	1929
1930		8.04 ON JUL 18			1930
				[illegible]	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.119	11.4	31.4	15.6	20.3	8.37	4.21	---	---	13.0	1956
1957	---	---	---	0	17.1	35.4	29.7	28.1	19.2	10.4	---	---	20.0	1957
1958	---	---	---	0.350	8.19	24.1	26.1	28.2	20.1	13.6	---	---	17.3	1958
1959	---	---	0.046	0.001	3.53	20.1	19.6	31.2	19.4	14.3	---	---	15.5	1959
1960	---	---	---	0.486	7.27	21.7	41.6	41.4	26.7	19.3	---	---	22.7	1960
1961	---	---	0.117	0.327	17.0	45.0	39.9	26.2	26.4	9.57	10.3	6.94	23.5	1961
1962	0.104	0.052	0.260	20.9	41.9	47.3	44.9	30.1	19.3	14.1	3.23	---	31.2	1962
1963	---	---	0.003	5.17	36.0	51.1	31.0	30.7	28.8	19.5	---	---	28.9	1963
1964	---	---	0.004	0.017	8.38	26.2	46.1	46.7	18.9	9.88	---	---	22.4	1964
1965	---	---	0.050	0.074	5.84	11.7	8.64	26.4	6.96	5.28	---	---	9.32	1965
1966	---	---	0.003	0	11.8	7.03	13.6	21.4	14.6	9.78	---	---	11.2	1966
1967	---	---	---	0.021	0.412	6.92	36.1	29.8	34.2	23.0	---	---	18.7	1967
1968	---	---	---	2.81	19.2	26.0	40.9	32.0	13.5	5.58	---	---	20.1	1968
1969	---	---	---	0.074	17.0	29.3	20.9	35.4	36.7	8.58	---	---	21.1	1969
1970	---	---	---	5.66	21.8	35.7	37.7	36.3	22.3	8.46	---	---	24.0	1970
1971	---	---	---	1.54	14.1	32.2	46.5	42.0	24.7	12.6	---	---	24.9	1971
1972	---	---	---	0	13.4	12.8	40.6	49.8	29.8	6.19	---	---	21.9	1972
1973	---	---	---	0	38.2	42.0	55.2	50.3	22.0	7.87	---	---	30.9	1973
1974	---	---	---	0	13.1	39.6	59.3	38.8	30.1	13.3	---	---	27.8	1974
1975	---	---	---	0.234	0.136	7.56	37.2	36.7	16.1	8.31	---	---	15.3	1975
1976	---	---	---	2.40	33.6	48.5	52.0	28.3	20.4	17.7	---	---	29.1	1976
1977	---	---	---	6.98	42.0	56.4	60.1	46.1	23.3	6.64	---	---	34.6	1977
1978	---	---	---	0	0.809	9.87	41.8	30.6	6.65	3.98	---	---	13.5	1978
1979	---	---	---	0	4.91	48.2	61.4	41.6	23.9	16.8	---	---	28.2	1979
1980	---	---	---	0.417	41.9	33.2	46.9	41.6	[illegible]	13.6	---	---	30.0	1980
1981	---	---	---	0.594	26.1	34.3	57.7	30.5	33.9	26.1	---	---	30.0	1981
1982	---	---	---	14.3	39.5	39.5	53.6	51.2	27.5	6.10	---	---	33.2	1982
MEAN	0.104	0.052	0.069	2.31	18.3	30.5	39.4	35.2	22.4	11.7	6.77	6.94	22.9	MEAN

LOCATION - LAT 49 26 05 N
LONG 112 41 53 W REGULATED

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.3 ON JUN 15	0 ON OCT 26 *	241 000	1956
1957	---	68.2 ON JUN 7 *	0 ON APR 1	370 000	1957
1958	---	29.7 ON JUL 27	0 E ON APR 1	319 000	1958
1959	---	32.6 ON AUG 20	0 ON APR 1	286 000	1959
1960	---	52.1 ON AUG 7	0 ON OCT 28	420 000	1960
1961	---	57.5 ON JUN 14	0.025 ON APR 30	435 000	1961
1962	---	52.4 ON JUN 13	0.017 ON APR 6	577 000	1962
1963	---	58.9 ON JUN 20	0.006E ON APR 1	534 000	1963
1964	---	58.6 ON JUL 25	0 E ON APR 13	414 000	1964
1965	---	43.0 ON AUG 4	0 ON MAY 1	172 000	1965
1966	---	30.0 ON JUL 25	0 ON APR 1	208 000	1966
1967	---	54.9 ON JUL 18	0 ON APR 14	346 000	1967
1968	---	53.8 ON JUL 23	0 ON APR 1	372 000	1968
1969	---	44.2 ON JUN 22	0 ON APR 23	391 000	1969
1970	---	62.6 ON JUN 10	0 ON APR 1	445 000	1970
1971	---	61.2 ON JUL 22	0 ON APR 1	461 000	1971
1972	---	53.0 ON AUG 10	0 E ON APR 1	405 000	1972
1973	---	62.9 ON JUL 14	0 ON APR 1	572 000	1973
1974	---	64.3 ON JUL 28	0 E ON APR 1	515 000	1974
1975	---	56.9 ON JUL 19	0 ON APR 1	283 000	1975
1976	---	58.6 ON JUN 12	0 ON APR 1	538 000	1976
1977	---	65.1 ON JUN 11	0 E ON APR 1	640 000	1977
1978	---	52.4 ON JUL 17	0 ON APR 1	250 000	1978
1979	---	66.9 ON JUL 17	0 ON APR 1	521 000	1979
1980	---	56.8 ON JUN 26	0 A ON APR 1	554 000	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	555 000	1981
1982	---	65.4 ON JUN 29	0 E ON APR 1	614 000	1982
MEAN				424 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.537	9.00	8.78	6.29	5.64	6.92	1.68	0	---	4.87	1915
1916	---	---	---	0.430	5.98	5.33	7.18	7.19	4.93	0.839	0	---	4.01	1916
1917	---	---	---	0.298	3.38	7.70	11.8	11.4	6.53	4.31	0	---	5.72	1917
1918	---	---	---	0.395	11.1	15.8	16.5	13.0	10.8	4.53	0	---	9.05	1918
1919	---	---	---	1.13	10.8	20.3	16.1	10.6	6.43	2.75	0	---	8.54	1919
1920	---	---	---	0.384	3.37	16.2	22.4	14.9	13.7	13.7	1.98	---	10.9	1920
1921	---	---	---	3.68	10.3	22.7	24.0	16.3	11.3	15.6	0	---	13.0	1921
1922	---	---	---	1.02	11.6	19.7	19.5	14.7	9.25	6.48	0.626	---	10.4	1922
1923	---	---	---	0.825	11.9	19.1	17.4	13.6	16.8	9.52	0.053	---	11.2	1923
1924	---	---	---	0.520	13.9	19.3	22.6	14.2	10.1	5.71	0	---	10.8	1924
1925	---	---	---	0	12.2	22.6	20.1	14.7	11.4	3.64	0	---	10.6	1925
1926	---	--	---	4.99	15.2	15.3	13.1	8.37	11.1	6.52	0	---	9.35	1926
1927	---	---	---	0.[illegible]82	6.55	6.76	11.2	14.2	12.9	4.92	0	---	7.18	1927
1928	---	---	---	0	3.81	13.6	4.01	9.03	12.0	1.31	0	---	6.22	1928
1929	---	---	---	0	6.89	5.70	13.4	9.66	6.35	5.21	0	---	5.95	1929
1930	---	---	---	1.44	8.72	20.5	19.4	10.7	8.80	4.36	0	---	9.26	1930
1931	---	---	0.304	3.34	17.8	20.3	14.7	12.1	10.7	7.49	2.40	---	11.1	1931
1932	---	---	---	4.50	11.3	14.2	19.1	12.0	9.26	5.95	0	---	9.57	1932
1933	---	---	---	0.633	6.59	22.7	23.1	16.0	11.8	4.69	0	---	10.7	1933
1934	---	---	---	1.69	19.0	14.6	15.3	11.8	8.89	4.85	0	---	9.58	1934
1935	---	---	---	0.443	8.02	20.9	23.2	13.2	7.64	3.87	0	---	9.70	1935
1936	---	---	---	3.54	13.9	20.7	15.0	8.54	4.74	3.16	0.372	---	8.76	1936
1937	---	---	---	2.78	22.8	23.0	22.1	11.0	6.77	0.689	0	---	11.2	1937
1938	---	---	---	6.13	12.3	24.5	21.3	11.0	8.68	2.52	0	---	10.8	1938
1939	---	---	---	5.30	24.0	9.67	13.2	9.76	5.51	2.02	1.01	0.366	8.85	1939
1940	---	---	---	4.90	14.0	25.5	14.7	7.44	8.01	7.61	0	---	10.3	1940
1941	---	---	---	2.75	16.1	14.7	16.7	8.29	9.29	6.38	0	---	9.31	1941
1942	---	---	---	4.29	11.8	9.17	15.1	11.7	9.58	6.58	0	---	8.56	1942
1943	---	---	---	2.11	9.08	22.7	29.8	18.4	10.1	5.80	0	---	12.3	1943
1944	---	---	---	2.76	18.0	22.4	15.4	11.2	7.88	5.46	0.064	---	10.4	1944
1945	---	---	---	2.82	10.7	12.1	18.8	10.0	8.46	5.58	0.915	0.307	8.71	1945
1946	---	---	---	2.63	22.6	18.0	21.0	12.1	11.0	7.68	4.40	---	12.5	1946
1947	---	---	---	0	7.56	14.5	22.2	13.1	10.3	12.9	0	---	10.1	1947
1948	---	---	---	0	3.02	6.40	16.4	13.3	8.65	6.57	0	---	6.84	1948
1949	---	---	---	6.14	16.9	14.7	18.2	9.30	9.52	6.81	0.060	---	10.2	1949
1950	---	---	---	5.08	14.1	23.8	22.3	20.7	9.28	15.6	11.9	---	15.4	1950
1951	---	---	---	0	12.0	19.7	21.9	15.4	2.20	0	0	---	8.96	1951
MEAN	---	---	0.304	2.11	12.0	16.6	17.4	12.0	9.12	5.76	0.643	0.337	9.48	MEAN

LOCATION - LAT 49 04 31 N
LONG 113 12 43 W REGULATED

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	10.5 ON MAY 24	0 ON APR 1 *	103 000	1915
1916	---	10.1 ON MAY 21	0 ON APR 1	84 400	1916
1917	---	12.7 ON JUL 3	0 ON APR 1	121 000	1917
1918	---	19.4 ON JUN 30	0 ON APR 1	191 000	1918
1919	---	22.0 ON JUN 28	0 ON APR 1	180 000	1919
1920	---	24.4 ON JUL 3	0 ON APR 1	229 000	1920
1921	---	27.3 ON JUN 26	0 ON APR 1	275 000	1921
1922	---	24.7 ON JUL 5	0 ON APR 1	220 000	1922
1923	---	20.7 ON MAY 31	0 ON APR 1	236 000	1923
1924	---	26.8 ON JUL 19	0 ON APR 1	229 000	1924
1925	---	24.7 ON JUN 11	0 ON APR 1	224 000	1925
1926	---	19.1 ON JUN 9	0 ON APR 1	197 000	1926
1927	---	15.8E ON AUG 10	0 ON APR 1	151 000	1927
1928	---	25.3 ON JUN 4	0 ON APR 1	131 000	1928
1929	---	17.2 ON JUL 5	0 ON APR 1	126 000	1929
1930	---	26.3 ON JUN 30	0 ON APR 1	195 000	1930
1931	---	21.9 ON AUG 1	0 ON NOV 15	235 000	1931
1932	---	24.6 ON JUN 15	0 ON APR 1	202 000	1932
1933	---	27.5 ON JUN 15	0 ON APR 1	226 000	1933
1934	---	27.0 ON MAY 30	0 ON APR 1	202 000	1934
1935	---	26.3 ON JUN 20	0 ON APR 1	205 000	1935
1936	---	27.5 ON JUN 27	0 ON APR 1	185 000	1936
1937	---	30.9 ON JUL 6	0 ON APR 1	236 000	1937
1938	---	30.0 ON JUN 23	0 ON APR 1	228 000	1938
1939	---	28.6 ON MAY 18	0 ON APR 1	187 000	1939
1940	---	30.3 ON JUN 13	0 ON APR 1	217 000	1940
1941	---	22.2 ON JUL 4	0 ON APR 1	196 000	1941
1942	---	22.2 ON JUL 24	0 ON APR 1	180 000	1942
1943	---	31.1A ON JUN 29 *	0 ON APR 1	259 000	1943
1944	---	24.9 ON JUN 30	0 ON APR 1	220 000	1944
1945	---	25.6 ON JUL 16	0 ON APR 1	184 000	1945
1946	---	26.2 ON MAY 16	0 ON APR 1	263 000	1946
1947	---	26.7 ON JUL 10	0 ON APR 1	214 000	1947
1948	---	22.6 ON JUL 21	0 ON APR 1	144 000	1948
1949	---	26.3 ON MAY 14	0 ON APR 1	216 000	1949
1950	---	28.6 ON JUN 22	0 ON APR 1	324 000	1950
1951	---	27.6 ON MAY 23	0 ON APR 1	189 000	1951
MEAN				200 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.119	11.4	31.4	15.6	20.3	8.37	4.21	---	---	13.0	1956
1957	---	---	---	0	17.1	35.4	29.7	28.1	19.2	10.4	---	---	20.0	1957
1958	---	---	---	0.350	8.19	24.1	26.1	28.2	20.1	13.6	---	---	17.3	1958
1959	---	---	0.046	0.001	3.53	20.1	19.6	31.2	19.4	14.3	---	---	15.5	1959
1960	---	---	---	0.486	7.27	21.7	41.6	41.4	26.7	19.3	---	---	22.7	1960
1961	---	---	0.117	0.327	17.0	45.0	39.9	26.2	26.4	9.57	10.3	6.94	23.5	1961
1962	0.104	0.052	0.260	20.9	41.9	47.3	44.9	30.1	19.3	14.1	3.23	---	31.2	1962
1963	---	---	0.003	5.17	36.0	51.1	31.0	30.7	28.8	19.5	---	---	28.9	1963
1964	---	---	0.004	0.017	8.38	26.2	46.1	46.7	18.9	9.88	---	---	22.4	1964
1965	---	---	0.050	0.074	5.84	11.7	8.64	26.4	6.96	5.28	---	---	9.32	1965
1966	---	---	0.003	0	11.8	7.03	13.6	21.4	14.6	9.78	---	---	11.2	1966
1967	---	---	---	0.021	0.412	6.92	36.1	29.8	34.2	23.0	---	---	18.7	1967
1968	---	---	---	2.81	19.2	26.0	40.9	32.0	13.5	5.58	---	---	20.1	1968
1969	---	---	---	0.074	17.0	29.3	20.9	35.4	36.7	8.58	---	---	21.1	1969
1970	---	---	---	5.66	21.8	35.7	37.7	36.3	22.3	8.46	---	---	24.0	1970
1971	---	---	---	1.54	14.1	32.2	46.5	42.0	24.7	12.6	---	---	24.9	1971
1972	---	---	---	0	13.4	12.8	40.6	49.8	29.8	6.19	---	---	21.9	1972
1973	---	---	---	0	38.2	42.0	55.2	50.3	22.0	7.87	---	---	30.9	1973
1974	---	---	---	0	13.1	39.6	59.3	38.8	30.1	13.3	---	---	27.8	1974
1975	---	---	---	0.234	0.136	7.56	37.2	36.7	16.1	8.31	---	---	15.3	1975
1976	---	---	---	2.40	33.6	48.5	52.0	28.3	20.4	17.7	---	---	29.1	1976
1977	---	---	---	6.98	42.0	56.4	60.1	46.1	23.3	6.64	---	---	34.6	1977
1978	---	---	---	0	0.809	9.87	41.8	30.6	6.65	3.98	---	---	13.5	1978
1979	---	---	---	0	4.91	48.2	61.4	41.6	23.9	16.8	---	---	28.2	1979
1980	---	---	---	0.417	41.9	33.2	46.9	41.6	31.3	13.6	---	---	30.0	1980
1981	---	---	---	0.594	26.1	34.3	57.7	30.5	33.9	26.1	---	---	30.0	1981
1982	---	---	---	14.3	39.5	39.5	53.6	51.2	27.5	6.10	---	---	33.2	1982
MEAN	0.104	0.052	0.069	2.31	18.3	30.5	39.4	35.2	22.4	11.7	6.77	6.94	22.9	MEAN

LOCATION - LAT 49 26 05 N
LONG 112 41 53 W REGULATED

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.3 ON JUN 15	0 ON OCT 26 *	241 000	1956
1957	---	68.2 ON JUN 7 *	0 ON APR 1	370 000	1957
1958	---	29.7 ON JUL 27	0 E ON APR 1	319 000	1958
1959	---	32.6 ON AUG 20	0 ON APR 1	286 000	1959
1960	---	52.1 ON AUG 7	0 ON OCT 28	420 000	1960
1961	---	57.5 ON JUN 14	0.025 ON APR 30	435 000	1961
1962	---	52.4 ON JUN 13	0.017 ON APR 6	577 000	1962
1963	---	58.9 ON JUN 20	0.006E ON APR 1	534 000	1963
1964	---	58.6 ON JUL 25	0 E ON APR 13	414 000	1964
1965	---	43.0 ON AUG 4	0 ON MAY 1	172 000	1965
1966	---	30.0 ON JUL 25	0 ON APR 1	208 000	1966
1967	---	54.9 ON JUL 18	0 ON APR 14	346 000	1967
1968	---	53.8 ON JUL 23	0 ON APR 1	372 000	1968
1969	---	44.2 ON JUN 22	0 ON APR 23	391 000	1969
1970	---	62.6 ON JUN 10	0 ON APR 1	445 000	1970
1971	---	61.2 ON JUL 22	0 ON APR 1	461 000	1971
1972	---	53.0 ON AUG 10	0 E ON APR 1	405 000	1972
1973	---	62.9 ON JUL 14	0 ON APR 1	572 000	1973
1974	---	64.3 ON JUL 28	0 E ON APR 1	515 000	1974
1975	---	56.9 ON JUL 19	0 ON APR 1	283 000	1975
1976	---	58.6 ON JUN 12	0 ON APR 1	538 000	1976
1977	---	65.1 ON JUN 11	0 E ON APR 1	640 000	1977
1978	---	52.4 ON JUL 17	0 ON APR 1	250 000	1978
1979	---	66.9 ON JUL 17	0 ON APR 1	521 000	1979
1980	---	56.8 ON JUN 26	0 A ON APR 1	554 000	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	555 000	1981
1982	---	65.4 ON JUN 29	0 E ON APR 1	614 000	1982
MEAN				424 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.537	9.00	8.78	6.29	5.64	6.92	1.68	0	---	4.87	1915
1916	---	---	---	0.430	5.98	5.33	7.18	7.19	4.93	0.839	0	---	4.01	1916
1917	---	---	---	0.298	3.38	7.70	11.8	11.4	6.53	4.31	0	---	5.72	1917
1918	---	---	---	0.395	11.1	15.8	16.5	13.0	10.8	4.53	0	---	9.05	1918
1919	---	---	---	1.13	10.8	20.3	16.1	10.6	6.43	2.75	0	---	8.54	1919
1920	---	---	---	0.384	3.37	16.2	22.4	14.9	13.7	13.7	1.98	---	10.9	1920
1921	---	---	---	3.68	10.3	22.7	24.0	16.3	11.3	15.6	0	---	13.0	1921
1922	---	---	---	1.02	11.6	19.7	19.5	14.7	9.25	6.48	0.626	---	10.4	1922
1923	---	---	---	0.825	11.9	19.1	17.4	13.6	16.8	9.52	0.053	---	11.2	1923
1924	---	---	---	0.520	13.9	19.3	22.6	14.2	10.1	5.71	0	---	10.8	1924
1925	---	---	---	0	12.2	22.6	20.1	14.7	11.4	3.64	0	---	10.6	1925
1926	---	--	---	4.99	15.2	15.3	13.1	8.37	11.1	6.52	0	---	9.35	1926
1927	---	---	---	0.582	6.55	6.76	11.2	14.2	12.9	4.92	0	---	7.18	1927
1928	---	---	---	0	9.81	13.6	4.01	9.03	12.0	1.31	0	---	6.22	1928
1929	---	---	---	0	6.89	5.70	13.4	9.66	6.35	5.21	0	---	5.95	1929
1930	---	---	---	1.44	8.72	20.5	19.4	10.7	8.80	4.36	0	---	9.26	1930
1931	---	---	0.304	3.34	17.8	20.3	14.7	12.1	10.7	7.49	2.40	---	11.1	1931
1932	---	---	---	4.50	11.3	14.2	19.1	12.0	9.26	5.95	0	---	9.57	1932
1933	---	---	---	0.633	6.59	22.7	23.1	16.0	11.8	4.69	0	---	10.7	1933
1934	---	---	---	1.69	19.0	14.6	15.3	11.8	8.89	4.85	0	---	9.58	1934
1935	---	---	---	0.443	8.02	20.9	23.2	13.2	7.64	3.87	0	---	9.70	1935
1936	---	---	---	3.54	13.9	20.7	15.0	8.54	4.74	3.16	0.372	---	8.76	1936
1937	---	---	---	2.78	22.8	23.0	22.1	11.0	6.77	0.689	0	---	11.2	1937
1938	---	---	---	6.13	12.3	24.5	21.3	11.0	8.68	2.52	0	---	10.8	1938
1939	---	---	---	5.30	24.0	9.67	13.2	9.76	5.51	2.02	1.01	0.366	8.85	1939
1940	---	---	---	4.90	14.0	25.5	14.7	7.44	8.01	7.61	0	---	10.3	1940
1941	---	---	---	2.75	16.1	14.7	16.7	8.29	9.29	6.38	0	---	9.31	1941
1942	---	---	---	4.29	11.8	9.17	15.1	11.7	9.58	6.58	0	---	8.56	1942
1943	---	---	---	2.11	9.08	22.7	29.8	18.4	10.1	5.80	0	---	12.3	1943
1944	---	---	---	2.76	18.0	22.4	15.4	11.2	7.88	5.46	0.064	---	10.4	1944
1945	---	---	---	2.82	10.7	12.1	18.8	10.0	8.46	5.58	0.915	0.307	8.71	1945
1946	---	---	---	2.63	22.6	18.0	21.0	12.1	11.0	7.68	4.40	---	12.5	1946
1947	---	---	---	0	7.56	14.5	22.2	13.1	10.3	12.9	0	---	10.1	1947
1948	---	---	---	0	3.02	6.40	16.4	13.3	8.65	6.57	0	---	6.84	1948
1949	---	---	---	6.14	16.9	14.7	18.2	9.30	9.52	6.81	0.060	---	10.2	1949
1950	---	---	---	5.08	14.1	23.8	22.3	20.7	9.28	15.6	11.9	---	15.4	1950
1951	---	---	---	0	12.0	19.7	21.9	15.4	2.20	0	0	---	8.96	1951
MEAN	---	---	0.304	2.11	12.0	16.6	17.4	12.0	9.12	5.76	0.643	0.337	9.48	MEAN

LOCATION - LAT 49 04 31 N
LONG 113 12 43 W REGULATED

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	10.5 ON MAY 24	0 ON APR 1 *	103 000	1915
1916	---	10.1 ON MAY 21	0 ON APR 1	84 400	1916
1917	---	12.7 ON JUL 3	0 ON APR 1	121 000	1917
1918	---	19.4 ON JUN 30	0 ON APR 1	191 000	1918
1919	---	22.0 ON JUN 28	0 ON APR 1	180 000	1919
1920	---	24.4 ON JUL 3	0 ON APR 1	229 000	1920
1921	---	27.3 ON JUN 26	0 ON APR 1	275 000	1921
1922	---	24.7 ON JUL 5	0 ON APR 1	220 000	1922
1923	---	20.7 ON MAY 31	0 ON APR 1	236 000	1923
1924	---	26.8 ON JUL 19	0 ON APR 1	229 000	1924
1925	---	24.7 ON JUN 11	0 ON APR 1	224 000	1925
1926	---	19.1 ON JUN 9	0 ON APR 1	197 000	1926
1927	---	15.8E ON AUG 10	0 ON APR 1	151 000	1927
1928	---	25.3 ON JUN 4	0 ON APR 1	131 000	1928
1929	---	17.2 ON JUL 5	0 ON APR 1	126 000	1929
1930	---	26.3 ON JUN 30	0 ON APR 1	195 000	1930
1931	---	21.9 ON AUG 1	0 ON NOV 15	235 000	1931
1932	---	24.6 ON JUN 15	0 ON APR 1	202 000	1932
1933	---	27.5 ON JUN 15	0 ON APR 1	226 000	1933
1934	---	27.0 ON MAY 30	0 ON APR 1	202 000	1934
1935	---	26.3 ON JUN 20	0 ON APR 1	205 000	1935
1936	---	27.5 ON JUN 27	0 ON APR 1	185 000	1936
1937	---	30.9 ON JUL 6	0 ON APR 1	236 000	1937
1938	---	30.0 ON JUN 23	0 ON APR 1	228 000	1938
1939	---	28.6 ON MAY 18	0 ON APR 1	187 000	1939
1940	---	30.3 ON JUN 13	0 ON APR 1	217 000	1940
1941	---	22.2 ON JUL 4	0 ON APR 1	196 000	1941
1942	---	22.2 ON JUL 24	0 ON APR 1	180 000	1942
1943	---	31.1A ON JUN 29 *	0 ON APR 1	259 000	1943
1944	---	24.9 ON JUN 30	0 ON APR 1	220 000	1944
1945	---	25.6 ON JUL 16	0 ON APR 1	184 000	1945
1946	---	26.2 ON MAY 16	0 ON APR 1	263 000	1946
1947	---	26.7 ON JUL 10	0 ON APR 1	214 000	1947
1948	---	22.6 ON JUL 21	0 ON APR 1	144 000	1948
1949	---	26.3 ON MAY 14	0 ON APR 1	216 000	1949
1950	---	28.6 ON JUN 22	0 ON APR 1	324 000	1950
1951	---	27.6 ON MAY 23	0 ON APR 1	189 000	1951
MEAN				200 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	8.10	12.6	14.6	10.2	9.37	2.77	---	---	8.25	1918
1919	---	---	---	0	6.86	17.8	15.0	9.10	5.74	1.63	---	---	8.01	1919
1920	---	---	---	0	0.501	11.5	13.8	12.5	11.2	10.5	---	---	8.58	1920
1921	---	---	---	1.91	8.86	19.3	20.6	14.8	10.0	11.3	---	---	12.4	1921
1922	---	---	---	0.392	8.45	16.4	14.1	13.2	7.90	3.86	---	---	9.21	1922
1923	---	---	---	0	8.24	8.91	9.40	9.73	9.57	8.60	---	---	7.80	1923
1924	---	---	---	0	10.6	12.2	19.3	12.9	9.14	5.24	---	---	9.96	1924
1925	---	---	---	0	8.86	16.7	15.1	13.3	10.4	2.90	---	---	9.63	1925
1926	---	---	---	3.69	13.7	13.0	11.5	7.40	9.82	1.17	---	---	8.61	1926
1927	---	---	---	0	4.10	4.19	8.88	10.7	9.62	3.68	---	---	5.90	1927
1928	---	---	---	0	7.57	9.66	3.24	7.03	10.5	0.897	---	---	5.54	1928
1929	---	---	---	0	5.57	1.54	10.4	8.36	5.51	4.60	---	---	5.18	1929
1930	---	---	---	0.292	6.42	17.0	17.9	9.58	6.92	2.62	---	---	8.80	1930
1931	---	---	---	2.71	15.0	17.7	13.5	11.0	9.67	7.62	---	---	11.0	1931
1932	---	---	---	1.08	8.74	11.2	15.9	10.7	8.22	4.73	---	---	8.69	1932
1933	---	---	---	0	3.57	17.7	18.5	13.5	9.29	3.91	---	---	9.50	1933
1934	---	---	---	0.954	16.1	11.8	13.9	10.8	8.68	3.68	---	---	9.46	1934
1935	---	---	---	0	5.60	17.6	19.0	10.9	6.74	3.66	---	---	9.07	1935
1936	---	---	---	0.317	8.10	14.3	13.7	7.06	3.89	2.92	---	---	7.19	1936
1937	---	---	---	2.67	19.1	17.4	19.0	9.53	5.77	0.638	---	---	10.6	1937
1938	---	---	---	4.94	10.2	21.4	17.8	10.2	7.47	2.49	---	---	10.6	1938
1939	---	---	---	3.31	18.6	4.26	10.4	8.81	4.71	1.93	---	---	7.48	1939
1940	---	---	---	0.452	11.9	21.5	13.9	6.38	7.28	7.49	---	---	9.84	1940
1941	---	---	---	1.63	13.2	12.0	14.9	7.55	8.08	4.08	---	---	8.80	1941
1942	---	---	---	2.82	7.43	5.58	12.6	9.00	6.49	5.54	---	---	7.09	1942
1943	---	---	---	1.03	6.11	18.3	21.6	15.6	8.83	5.21	---	---	11.0	1943
1944	---	---	---	2.22	15.6	17.4	13.4	9.71	6.79	4.74	---	---	10.0	1944
1945	---	---	---	2.45	9.29	8.12	15.8	8.52	7.43	5.25	---	---	8.16	1945
1946	---	---	---	1.24	19.8	12.8	17.6	10.9	9.20	4.58	0.330	---	10.9	1946
1947	---	---	---	0	5.58	9.69	20.4	10.2	5.06	6.08	0.015	---	8.19	1947
1948	---	---	---	0	1.36	3.62	13.6	11.6	7.21	4.02	0.001	---	5.95	1948
1949	---	---	---	3.97	11.8	11.7	18.5	11.7	10.0	7.23	0.283	---	10.7	1949
1950	---	---	---	1.09	9.18	20.8	17.8	17.6	13.5	6.88	---	---	12.4	1950
1951	---	---	---	0	2.01	5.37	5.22	13.1	2.33	4.73	---	---	4.71	1951
MEAN	---	---	---	1.15	9.30	13.0	14.7	10.7	8.01	4.62	0.157	---	8.80	MEAN

LOCATION - LAT 49 26 09 N
LONG 112 49 47 W REGULATED

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	16.1 ON JUL 13	0 ON APR 1 *	153 000	1918
1919	---	21.0 ON JUN 24	0 ON APR 1	148 000	1919
1920	---	21.6 ON JUL 3	0 ON APR 1	159 000	1920
1921	---	24.6A ON JUN 28	0 ON APR 1	230 000	1921
1922	---	21.4 ON JUN 20	0 ON APR 1	170 000	1922
1923	---	16.1 ON MAY 31	0 ON APR 1	144 000	1923
1924	---	25.8 ON JUL 20	0 ON APR 1	184 000	1924
1925	---	20.7 ON JUL 18	0 ON APR 1	178 000	1925
1926	---	17.9 ON JUN 10	0 ON APR 1	159 000	1926
1927	---	12.8 ON AUG 11	0 ON APR 1	109 000	1927
1928	---	25.0E ON JUN 5	0 ON APR 1	102 000	1928
1929	---	12.1 ON JUL 10	0 ON APR 1	95 700	1929
1930	---	23.7 ON JUL 1	0 ON APR 1	163 000	1930
1931	---	19.7 ON JUN 24	0.566 ON APR 1	204 000	1931
1932	---	17.4 ON JUL 15	0 ON APR 1	161 000	1932
1933	---	24.7 ON JUN 21	0 ON APR 1	176 000	1933
1934	---	24.3 ON MAY 30	0 ON APR 1	175 000	1934
1935	---	22.7 ON JUL 1	0 ON APR 1	168 000	1935
1936	---	23.0 ON JUN 27	0 ON APR 1	133 000	1936
1937	---	27.0 ON JUL 7	0 ON APR 1	196 000	1937
1938	---	28.2 ON JUN 22 *	0 ON APR 1	197 000	1938
1939	---	27.6 ON MAY 18	0 ON APR 1	138 000	1939
1940	---	25.9 ON JUN [illegible]	0 ON APR 1	182 000	1940
1941	---	20.9 ON JUL 1	0 ON APR 1	163 000	1941
1942	---	21.0 ON JUL 24	0 ON APR 1	131 000	1942
1943	---	25.5 ON JUN 26	0 ON APR 1	203 000	1943
1944	---	22.5 ON JUL 1	0 ON APR 1	185 000	1944
1945	---	21.7 ON JUL 14	0 ON APR 1	151 000	1945
1946	---	23.4 ON MAY 27	0 ON APR 1	202 000	1946
1947	---	25.3 ON JUL 11	0 ON APR 1	152 000	1947
1948	---	19.7 ON JUL 23	0 ON APR 1	110 000	1948
1949	---	21.7 ON JUL 11	0 ON APR 1	198 000	1949
1950	---	26.6 ON JUN 21	0 ON APR 1	229 000	1950
1951	---	20.3 ON AUG 8	0 ON APR 1	87 000	1951
MEAN				163 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	0	6.50	16.8	19.7	21.0	14.5	8.80	---	---	12.5	1952
1953	---	---	---	0	5.67	4.49	19.9	26.3	20.9	10.1	---	---	12.5	1953
1954	---	---	0	0.228	11.4	23.8	42.4	19.9	9.24	5.72	0.006	---	16.2	1954
1955	---	---	---	0.026	0.623	21.0	13.4	23.4	17.1	10.7	---	---	12.3	1955
1956	---	---	---	0.007	13.8	32.9	14.2	22.0	9.70	6.82	---	---	14.2	1956
1957	---	---	---	0	22.5	34.7	31.6	28.7	19.9	10.1	---	---	21.1	1957
1958	---	---	---	0.003	9.54	23.4	27.1	28.9	45.6	16.6	---	---	21.6	1958
1959	---	---	0.014	0.007	0.395	17.9	25.5	34.6	18.8	23.8	---	---	17.3	1959
1960	---	---	---	0.010	0.066	18.5	44.6	49.6	31.2	16.2	---	---	23.0	1960
1961	---	---	0.004	0	18.5	66.7	40.4	24.8	27.6	9.75	---	---	26.8	1961
1962	---	---	0.006	4.89	47.5	58.7	44.3	25.9	14.5	8.64	14.8	---	29.2	1962
1963	---	---	0	20.8	49.9	55.9	30.4	33.3	25.3	9.68	---	---	32.2	1963
1964	---	---	---	0.873	8.86	35.8	50.7	49.0	16.6	4.55	---	---	23.9	1964
1965	---	---	0.001	0.017	7.72	10.9	6.46	28.9	4.88	0.447	---	---	8.52	1965
1966	---	---	0.004	0.003	5.74	19.0	16.2	19.4	8.93	14.5	---	---	12.0	1966
1967	---	---	---	0.006	0.020	0.135	30.7	19.8	37.0	26.1	---	---	16.3	1967
1968	---	---	---	0.670	31.3	28.7	49.4	27.0	2.81	16.2	---	---	22.5	1968
1969	---	---	---	0.007	18.4	33.3	23.1	38.7	31.2	4.44	---	---	21.3	1969
1970	---	---	---	0	30.5	48.3	40.5	35.3	28.3	3.72	---	---	26.7	1970
1971	---	---	---	0.004	16.1	31.9	50.8	42.9	23.8	10.9	---	---	25.3	1971
1972	---	---	---	0.013	15.6	13.6	46.2	53.0	24.2	5.11	---	---	22.7	1972
1973	---	---	---	0	41.0	49.9	54.2	43.0	24.8	8.04	---	---	31.7	1973
1974	---	---	---	0.612	17.1	40.1	55.8	37.3	33.3	16.1	---	---	28.7	1974
1975	---	---	---	0.120	0.198	1.99	32.4	33.5	15.4	14.3	---	---	14.1	1975
1976	---	---	---	2.23	39.0	54.9	57.6	27.5	17.6	13.9	---	---	30.5	1976
1977	---	---	---	8.29	50.4	54.2	55.5	38.1	16.5	3.18	---	---	32.4	1977
1978	---	---	---	16.2	5.88	10.3	46.2	24.8	1.25	0.099	---	---	15.1	1978
1979	---	---	---	0.093	7.37	52.1	60.6	30.7	13.7	39.8	---	---	29.3	1979
1980	---	---	---	1.11	48.1	36.2	50.9	39.4	27.7	12.1	---	---	30.9	1980
1981	---	---	---	4.18	28.1	33.7	58.7	30.7	35.4	26.6	---	---	31.1	1981
1982	---	---	---	3.77	52.4	43.7	52.6	41.4	7.59	8.98	---	---	30.2	1982
MEAN	---	---	0.004	2.07	19.7	31.4	38.5	32.2	20.2	11.8	7.40	---	22.3	MEAN

LOCATION - LAT 49 20 39 N
LONG 113 02 35 W REGULATED

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	27.9 ON JUL 11	0 ON APR 1 *	232 000	1952
1953	---	27.2 ON AUG 15	0 ON APR 1	232 000	1953
1954	---	47.6 ON JUL 13	0 B ON APR 1	299 000	1954
1955	---	56.6 ON OCT 12	0 B ON APR 1	227 000	1955
1956	---	50.7 ON JUN 14	0 E ON APR 25	263 000	1956
1957	---	71.4 ON JUN 5	0 ON APR 1	390 000	1957
1958	---	56.9 ON SEP 12	0 ON APR 14	399 000	1958
1959	---	56.9 ON OCT 2	0 ON APR 20	321 000	1959
1960	---	62.3 ON AUG 9	0 ON MAY 9	424 000	1960
1961	---	75.9 ON JUN 19 *	0 E ON APR 1	495 000	1961
1962	---	63.1 ON JUN 19	0 ON APR 23	541 000	1962
1963	---	67.7 ON JUN 15	0 ON APR 1	595 000	1963
1964	---	64.0 ON JUL 29	0.006 ON APR 18	441 000	1964
1965	---	54.4 ON AUG 4	0 ON MAY 7	158 000	1965
1966	---	58.3 ON OCT 18	0 ON APR 8	222 000	1966
1967	---	52.4 ON SEP 26	0 ON APR 9	301 000	1967
1968	---	60.3 ON JUL 11	0 ON APR 10	415 000	1968
1969	---	49.3 ON JUN 19	0 B ON APR 10	394 000	1969
1970	---	72.8 ON JUN 12	0 ON APR 1	494 000	1970
1971	---	56.6 ON JUL 15	0 ON APR 9	468 000	1971
1972	---	57.5 ON JUL 17	0.006B ON APR 1	419 000	1972
1973	---	63.7 ON MAY 26	0 ON APR 1	585 000	1973
1974	---	62.0 ON AUG 7	0 E ON APR 1	531 000	1974
1975	---	56.4 ON JUL 20	0 ON APR 1	261 000	1975
1976	---	63.7 ON JUN 1	0 ON APR 1	562 000	1976
1977	---	60.0 ON JUN 19	0 ON APR 1	600 000	1977
1978	---	50.1 ON JUL 22	0 E ON APR 1	279 000	1978
1979	---	64.2 ON JUL 11	0 ON APR 1	541 000	1979
1980	---	61.4 ON MAY 15	0 A ON APR 1	572 000	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	576 000	1981
1982	---	66.3 ON JUN 29	0 E ON APR 1	559 000	1982
MEAN				413 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	2.01	0.029	0	---	---	---	---	---	---	---	1917
1918	---	---	---	0.086	0	0	0	0	0	0	---	---	---	1918
1919	---	---	---	0.257	0.015	0.045	0	0	0.007	0	---	---	---	1919
1920	---	---	0.638	0.284	0.168	0.052	0	0	0	0	---	---	0.143	1920
1921	---	---	0.348	0.265	0.082	0.039	0.046	0.002	0.050	0	---	---	0.104	1921
1922	---	---	0.091	1.15	0.140	0.002	0.373	0.038	0.002	0	---	---	0.222	1922
1923	---	---	0.296	0.100	0.013	0.378	0.142	0.006	0	0	---	---	0.116	1923
1924	---	0.020	0	0.005	0	0.257	0.041	0.088	0	0	---	---	0.049	1924
1925	---	---	0.833	0.548	---	---	---	0.106	0	0	---	---	---	1925
1936	---	---	0.229	0.174	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.020	0.348	0.488	0.050	0.086	0.086	0.030	0.007	0	---	---	0.127	MEAN

LOCATION - LAT 49 13 50 N DRAINAGE AREA, 179 km²
LONG 110 45 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1921

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.14 ON APR 6 *	0 ON MAY 24 *	---	1917
1918	---	---	0 ON MAY 2	---	1918
1919	---	---	0 ON APR 12	---	1919
1920	---	2.49 ON MAR 21	0 ON MAR 1	3 030	1920
1921	---	2.04 B ON MAR 26	0B ON MAR 9	2 200	1921
1922	---	3.94 ON JUL 8	0B ON MAR 1	4 700	1922
1923	---	3.43 ON JUN 21	0B ON MAR 14	2 460	1923
1924	---	3.40 ON JUN 7	0B ON MAR 1	1 030	1924
1925	---	5.38 ON MAR 22	0B ON MAR 1	---	1925
1936	---	0.906B ON MAR 3	0B ON MAR 1	---	1936
MEAN				2 680	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	0.765	0.588	0.410	0.444	---	---	---	1918
1919	---	---	---	---	1.56	0.972	0.537	0.361	0.183	---	---	---	---	1919
1920	---	---	---	---	---	---	1.54	0.590	0.604	0.421	---	---	---	1920
1921	---	---	---	---	---	2.76	1.27	0.490	0.484	0.609	---	---	---	1921
1922	---	---	---	---	2.35	2.73	1.11	0.543	0.333	0.198	---	---	1.21	1922
1923	---	---	---	---	1.61	2.64	1.22	0.704	0.326	0.425	---	---	1.15	1923
1924	---	---	---	---	1.42	2.24	1.13	0.613	0.297	---	---	---	---	1924
1925	---	---	---	---	1.92	2.54	1.40	0.661	0.520	0.333	---	---	1.23	1925
1926	---	---	---	---	0.825	0.979	0.648	0.400	0.778	---	---	---	---	1926
1927	---	---	---	---	0.972	3.37	1.69	0.998	1.45	1.05	---	---	1.58	1927
1928	---	---	---	---	---	2.10	1.91	0.647	0.434	1.12	---	---	---	1928
1929	---	---	---	---	1.88	1.90	0.929	0.402	0.203	0.253	---	---	0.927	1929
1930	---	---	---	---	1.59	1.99	1.08	0.436	0.535	0.277	---	---	0.982	1930
1931	---	---	---	---	1.70	1.16	0.688	0.551	0.645	0.264	---	---	0.834	1931
1932	---	---	---	---	---	1.56	0.804	0.473	0.245	0.315	---	---	---	1932
1933	---	---	---	---	---	2.49	1.29	0.596	0.424	1.05	---	---	---	1933
1934	---	---	---	---	2.83	2.81	0.923	0.442	0.202	0.247	---	---	1.24	1934
1935	---	---	---	---	---	1.68	0.969	0.453	0.401	0.233	---	---	---	1935
1936	---	---	---	---	---	1.91	0.736	0.371	0.219	0.184	---	---	---	1936
1937	---	---	---	---	---	---	0.885	0.462	0.177	0.402	---	---	---	1937
MEAN	---	---	---	---	1.70	2.11	1.08	0.539	0.444	0.460	---	---	1.14	MEAN

LOCATION - LAT 48 47 30 N DRAINAGE AREA, 19.7 km² INTERNATIONAL GAUGING STATION
LONG 113 37 40 W NATURAL FLOW

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1919	5.13 ON MAY 28	4.11 ON MAY 28	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	7.99 ON MAY 19	0.147 ON OCT 17	19 200	1922
1923	8.92 AT 14:30 MST ON JUN 1	6.57 ON JUN 1	0.241 ON SEP 29	18 300	1923
1924	4.87 AT 02:00 MST ON JUN 15	3.91 ON JUN 15	---	---	1924
1925	3.85 AT 22:00 MST ON JUN 21	3.60 ON JUN 21	0.278 ON OCT 17	19 500	1925
1926	1.76E ON SEP 1	1.76E ON SEP 1	---	---	1926
1927	7.42 AT 03:00 MST ON JUN 9	6.65 ON JUN 8	0.357 ON MAY 10	25 100	1927
1928	---	---	---	---	1928
1929	9.63 ON MAY 24	7.93 ON MAY 24	0.105 ON OCT 26	14 700	1929
1930	4.84 ON MAY 21	3.48 ON JUN 8	0.178 ON OCT 31	15 600	1930
1931	3.51 AT 01:00 MST ON MAY 17	3.14 ON MAY 15	0.113E ON OCT 31	13 200	1931
1932	---	---	---	---	1932
1933	---	5.66E ON JUN 16	---	---	1933
1934	20.4 E ON JUN 8 *	14.2 E ON JUN 8 *	0.071 ON SEP 28 *	19 700	1934
1935	---	---	---	---	1935
1936	3.09 AT 07:00 MST ON JUN 1	3.03 ON JUN 1	---	---	1936
1937	---	---	---	---	1937
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 200	MEAN

E - ESTIMATED

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	1916
MEAN	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	MEAN

LOCATION - LAT 49 28 20 N DRAINAGE AREA, 311 km^2
LONG 114 19 00 W NATURAL FLOW

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	29.7 ON JUN 21 *	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	8.00	10.1	12.7	8.37	7.23	3.20	---	---	8.27	1962
1963	---	---	---	---	5.92	6.36	5.38	2.92	2.71	2.14	---	---	4.23	1963
1964	---	---	---	---	---	22.1	8.91	4.31	10.6	7.58	---	---	---	1964
1965	---	---	---	---	---	21.3	19.9	7.57	14.2	9.13	---	---	---	1965
1969	---	---	---	---	5.91	6.86	14.8	21.3	5.98	3.97	---	---	9.84	1969
1970	---	---	---	---	10.5	14.7	4.45	2.89	1.83	1.26	---	---	5.91	1970
1971	---	---	---	---	---	---	12.8	3.52	2.34	2.21	---	---	---	1971
1972	---	---	---	---	9.95	20.5	12.0	5.57	---	---	---	---	---	1972
1973	---	---	---	---	14.9	12.4	7.34	4.76	3.95	---	---	---	---	1973
1974	---	---	---	---	8.52	16.7	9.17	4.90	4.83	3.56	---	---	7.92	1974
1975	---	---	---	---	4.15	5.62	5.30	2.98	2.60	1.76	---	---	3.75	1975
1976	---	---	---	---	5.88	5.75	5.23	11.3	4.13	2.47	---	---	5.79	1976
1977	---	---	---	---	11.0	14.9	10.6	10.9	8.81	4.76	---	---	10.1	1977
1978	---	---	---	---	---	---	18.1	8.12	9.98	5.17	---	---	---	1978
1979	---	---	---	---	8.46	7.51	4.99	3.29	2.36	1.85	---	---	4.74	1979
1980	---	---	---	---	5.15	34.6	11.1	7.88	6.12	4.00	---	---	11.4	1980
1981	---	---	---	---	8.62	5.62	14.0	8.94	4.91	3.29	---	---	7.58	1981
1982	---	---	---	---	5.98	11.9	21.4	6.98	5.33	5.23	---	---	9.47	1982
MEAN	---	---	---	---	8.07	13.6	11.0	7.03	5.76	3.85	---	---	7.42	MEAN

LOCATION - LAT 52 52 04 N DRAINAGE AREA, 495 km^2
LONG 116 35 43 W NATURAL FLOW

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	31.7 AT 22:00 MST ON MAY 19	18.6 ON MAY 20	1.65 ON MAY 6	131 000	1962
1963	17.4 AT 05:00 MST ON MAY 24	13.9 ON MAY 24	1.81 B ON OCT 31	67 400	1963
1964	57.5 AT 04:00 MST ON JUN 19	46.7 ON JUN 19	---	---	1964
1965	64.0 AT 21:00 MST ON MAY 31	51.0 ON MAY 31	---	---	1965
1969	237 AT 03:12 MST ON AUG 5	149 ON AUG 5	2.97 B ON OCT 28	156 000	1969
1970	154 AT 09:40 MST ON JUN 16	95.4 ON JUN 16	0.453B ON OCT 31 *	93 900	1970
1971	---	---	---	---	1971
1972	94.9E ON JUN 25	53.8 E ON JUN 25	---	---	1972
1973	47.9 AT 02:30 MST ON MAY 17	39.4 ON MAY 18	---	---	1973
1974	40.8 AT 06:10 MST ON JUN 17	31.4 ON JUN 16	2.78 E ON OCT 31	126 000	1974
1975	10.1 AT 07:00 MST ON JUL 2	8.44 ON JUL 2	1.08 B ON OCT 31	59 500	1975
1976	42.2 AT 00:00 MST ON AUG 7	25.3 ON AUG 7	1.79 ON OCT 30	92 100	1976
1977	32.8 AT 00:30 MST ON JUN 8	25.2 ON JUN 8	2.30 ON MAY 1	161 000	1977
1978	106 AT 22:20 MST ON JUL 11	55.2 ON JUL 12	---	---	1978
1979	50.0 AT 01:00 MST ON MAY 27	33.6 ON MAY 27	1.50 E ON OCT 29	75 500	1979
1980	278 AT 07:45 MST ON JUN 4 *	219 ON JUN 4 *	3.11 ON MAY 5	181 000	1980
1981	57.0 AT 22:30 MST ON JUL 14	39.5 ON JUL 30	1.16 ON MAY 5	121 000	1981
1982	90.0 AT 16:25 MST ON JUL 5	83.2 ON JUL 5	2.60 B ON MAY 1	151 000	1982
				118 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
1942	---	---	---	---	---	---	---	---	---	---	11.8	17.5	---
1943	18.9	16.2	16.4	---	7.96	---	0.802	0.807	3.71	9.47	13.6	16.5	---
1944	14.3	16.2	17.3	8.57	3.31	0.727	0.369	0.362	0.784	3.39	13.9	15.1	7.83
1945	15.2	13.5	12.3	9.47	2.49	0.572	0.654	0.734	0.761	3.62	8.17	13.0	6.67
1946	15.9	17.9	15.5	15.2	3.34	0.830	0.599	1.32	1.89	7.89	12.9	12.9	8.78
1947	15.6	16.0	14.4	12.7	3.36	2.60	2.22	2.28	1.82	2.10	11.2	13.0	8.04
1948	16.7	20.5	19.2	15.7	6.27	2.59	9.13	20.3	11.3	11.6	14.3	16.4	13.7
1949	17.0	18.0	14.2	6.80	6.28	5.11	6.65	7.87	5.78	7.86	11.0	12.4	9.89
1950	12.3	4.62	6.90	2.16	3.36	2.03	0.940	2.59	9.21	15.2	18.2	18.4	8.01
1951	18.4	10.4	6.73	3.47	4.95	4.45	4.32	8.44	8.37	12.1	17.8	18.7	9.52
1952	12.2	7.43	11.0	14.1	10.4	0.980	1.67	7.10	8.86	8.66	11.2	14.4	9.00
1953	16.5	17.9	10.1	10.3	14.4	2.66	7.78	8.95	8.19	8.71	15.3	16.0	11.4
1954	16.1	15.0	9.94	16.1	12.8	3.52	1.94	10.2	15.0	10.1	9.35	14.3	11.2
1955	17.3	17.6	18.3	18.0	11.8	2.33	0.755	0.451	3.15	4.73	7.56	16.6	9.85
1956	13.7	14.2	14.9	13.2	4.23	0.430	0.283	0.283	4.07	17.3	11.3	17.3	9.26
1957	13.9	18.6	17.5	7.55	0.383	0.472	0.283	0.283	0.708	7.74	9.83	11.0	7.29
1958	16.4	19.0	12.0	4.92	6.89	1.83	2.15	1.26	1.29	11.2	13.3	6.83	8.03
1959	24.3	8.45	12.6	13.0	3.99	0.855	0.754	2.50	0.637	0.987	8.25	12.5	7.41
1960	11.5	11.4	3.68	5.30	8.62	6.28	1.09	7.90	3.68	7.02	11.5	10.9	7.39
1961	6.38	11.9	8.37	14.6	8.73	1.22	1.64	9.93	6.30	8.00	12.4	18.6	8.98
1962	17.5	9.23	19.0	19.3	6.89	4.57	2.19	4.24	11.4	2.55	3.19	8.97	9.07
1963	9.27	6.57	8.23	3.12	4.90	2.24	0.726	1.52	13.5	21.4	17.3	9.95	8.23
1964	9.49	14.2	17.4	8.19	4.16	1.89	0.498	3.98	5.38	5.17	5.51	13.2	7.41
1965	8.96	3.25	1.25	6.73	5.69	18.6	26.8	10.5	10.1	8.02	9.86	14.2	10.4
1966	20.6	13.2	13.9	6.71	2.54	5.80	8.89	6.43	8.24	6.47	12.4	12.1	9.76
1967	16.3	10.7	10.9	12.9	14.3	3.64	2.56	10.4	12.0	7.74	7.85	11.6	10.1
1968	16.0	18.7	9.24	0.618	0.585	1.79	0.457	1.02	14.0	11.5	1.83	5.62	6.74
1969	13.2	8.73	4.49	1.08	0.443	18.4	22.5	6.39	12.0	4.97	4.44	8.82	8.79
1970	9.17	9.31	5.37	7.81	4.67	2.64	14.4	7.22	8.05	10.5	12.0	10.4	8.47
1971	6.22	1.77	8.05	1.64	1.01	0.737	0.754	5.73	9.20	15.3	9.27	8.28	5.70
1972	11.9	5.43	2.33	5.08	2.26	11.6	24.5	11.5	10.6	7.30	1.97	13.4	9.03
1973	15.9	13.5	4.01	1.43	1.08	7.73	18.5	8.29	5.63	6.04	9.48	7.93	8.27
1974	9.18	6.25	9.16	6.26	1.10	15.6	27.6	10.8	5.35	8.94	5.39	7.37	9.46
1975	18.1	13.2	8.25	11.2	11.5	1.56	1.74	0.765	0.736	0.484	6.09	7.14	6.69
1976	6.72	6.56	11.1	10.9	2.63	2.28	1.76	16.9	10.0	6.28	9.62	8.39	7.77
1977	12.1	6.92	1.88	3.95	7.59	1.22	12.2	3.83	7.09	4.09	0.859	18.2	6.65
1978	18.8	20.8	13.0	3.10	2.85	1.05	0.971	5.34	2.14	2.27	7.69	14.3	7.64
1979	13.5	13.2	9.43	13.1	6.37	0.810	2.20	13.9	11.0	5.74	5.40	8.41	8.56
1980	9.64	7.98	5.32	2.74	0.846	12.6	2.74	9.48	2.89	0.528	4.28	9.73	5.72
1981	8.87	11.8	14.0	12.6	12.2	15.2	12.5	19.1	3.21	7.07	12.5	15.6	12.1
1982	12.5	7.54	7.57	9.70	4.94	2.41	7.96	3.85	1.05	2.35	9.89	11.8	6.81
MEAN	13.9	12.1	10.6	8.70	5.55	4.40	5.91	6.36	6.48	7.56	9.75	12.5	8.61

LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	21.2 ON JAN 29	0.255 ON MAY 29	---	1943
1944	---	19.8 ON FEB 22	0.170 ON APR 9	248 000	1944
1945	---	18.5 ON JAN 20	0.227 ON JUN 1	210 000	1945
1946	---	19.1 ON FEB 11	0.368 ON OCT 13	277 000	1946
1947	---	18.7 ON FEB 1	0.368 ON OCT 2	254 000	1947
1948	---	26.7 ON AUG 9	0.368 ON MAY 30	432 000	1948
1949	---	20.5 ON JAN 24	0.227 ON APR 10	312 000	1949
1950	---	20.2 ON NOV 16	0.227 ON FEB 11	253 000	1950
1951	---	20.3 ON OCT 25	0.085 ON APR 29	300 000	1951
1952	---	19.8 ON APR 21	0.283 ON FEB 24	285 000	1952
1953	---	19.8 ON JAN 13	0.425 ON APR 5	358 000	1953
1954	---	45.0 ON AUG 28 *	0.425 ON AUG 8	352 000	1954
1955	---	21.0 ON DEC 3	0.283 ON MAY 23	311 000	1955
1956	---	20.8 ON SEP 25	0.283 ON MAY 6	293 000	1956
1957	---	22.4 ON DEC 31	0.283 ON APR 16	230 000	1957
1958	---	30.3 ON NOV 16	0.142 ON JUL 5	253 000	1958
1959	---	34.3 ON JAN 6	0.283 ON MAY 29	234 000	1959
1960	---	24.5 ON DEC 20	0.425 ON JAN 24	234 000	1960
1961	---	30.9 ON DEC 18	0.425 ON JAN 1	283 000	1961
1962	---	28.6 ON MAR 21	0.283 ON JUL 15	286 000	1962
1963	---	34.0 ON OCT 16	0.283 ON DEC 25	259 000	1963
1964	---	34.8 ON DEC 21	0.283 ON JAN 5	234 000	1964
1965	---	40.2 ON JUL 8	0.425 ON JAN 17	328 000	1965
1966	---	33.4 ON JAN 19	0.283 ON JUN 14	308 000	1966
1967	---	30.6 ON MAY 1	0.283 ON MAY 23	318 000	1967
1968	---	37.1 ON SEP 11	0.142 ON NOV 26	213 000	1968
1969	---	36.5 ON JUL 12	0.425 ON JAN 1	277 000	1969
1970	---	34.8 ON JUL 21	0.425 ON JAN 24	267 000	1970
1971	---	37.4 ON SEP 17	0.283 ON MAY 8	180 000	1971
1972	---	37.4 ON JUL 10	0.425 ON JAN 15	285 000	1972
1973	---	35.1 ON JUL 1	0.623 ON FEB 4	261 000	1973
1974	---	37.1 ON JUN 25	0.651 ON JAN 1	298 000	1974
1975	---	32.6 ON JAN 11	0 ON OCT 22 *	211 000	1975
1976	---	36.2 ON AUG 6	0.736 ON JAN 31	245 000	1976
1977	42.2 AT 16:00 MST ON AUG 2	26.3 ON DEC 8	0 E ON OCT 19	210 000	1977
1978	42.5 AT 14:30 MST ON DEC 11 *	27.8 ON FEB 2	0 ON SEP 6	241 000	1978
1979	---	22.1 ON AUG 1	0.198 ON OCT 18	270 000	1979
1980	---	29.8 ON JUN 22	0.142 ON JAN 3	181 000	1980
1981	---	31.1 ON JUL 15	0.471 ON SEP 26	381 000	1981
1982	40.8 AT 10:30 MST ON MAY 4	22.2 ON JAN 21	0.297 ON JUN 3	214 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		271 000	MEAN

E - ESTIMATED

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	6.84	4.86	3.42	---	---	---	1973
1974	---	---	---	---	5.06	33.5	17.7	9.08	4.57	2.94	---	---	12.1	1974
1975	---	---	---	---	3.89	11.9	11.4	7.54	4.54	2.88	---	---	7.01	1975
1976	---	---	---	---	11.8	---	---	12.8	7.73	3.76	---	---	---	1976
1977	---	---	---	---	7.29	14.9	7.62	7.41	4.88	3.21	---	---	7.53	1977
1978	---	---	---	---	5.99	22.2	14.3	7.09	6.03	4.01	---	---	9.90	1978
1979	---	---	---	---	6.78	16.0	10.6	5.62	3.83	2.84	---	---	7.58	1979
1980	---	---	---	---	13.2	21.2	8.21	5.64	5.09	3.64	---	---	9.45	1980
1981	---	---	---	---	16.1	18.9	21.1	11.5	5.53	3.39	---	---	12.8	1981
1982	---	---	---	---	5.50	23.2	12.0	5.41	4.43	3.28	---	---	8.92	1982
MEAN	---	---	---	---	8.40	20.2	12.9	7.89	5.15	3.34	---	---	9.41	MEAN

LOCATION - LAT 51 17 15 N DRAINAGE AREA, 454 km^2
LONG 115 32 00 W NATURAL FLOW

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	106 AT 24:00 MST ON JUN 16 *	77.0 ON JUN 17 *	2.51A ON OCT 31	192 000	1974
1975	19.6 AT 00:30 MST ON JUL 5	17.4 ON JUN 25	1.70E ON MAY 1 *	112 000	1975
1976	34.0 ON JUL 1	---	---	---	1976
1977	39.9 AT 23:00 MST ON JUN 7	34.5 ON JUN 8	2.56 ON OCT 31	120 000	1977
1978	51.3 AT 21:30 MST ON JUN 5	39.4 ON JUN 6	2.92 ON OCT 30	157 000	1978
1979	39.1 AT 23:00 MST ON MAY 26	28.0 ON MAY 27	2.31 ON OCT 31	121 000	1979
1980	39.2 AT 00:50 MST ON JUN 17	33.0 ON JUN 17	2.90 ON OCT 23	150 000	1980
1981	71.4 AT 03:10 MST ON MAY 26	61.8 ON MAY 26	2.70E ON OCT 27	203 000	1981
1982	42.4 AT 00:00 MST ON JUN 15	36.4 ON JUN 16	1.90E ON MAY 1	142 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		150 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

CASCADE RIVER NEAR BANFF - STATION NO. 05BD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	11.6	6.39	---	---	---	1911
1912	---	2.41	---	1.89	8.54	---	9.58	22.4	8.19	7.87	8.22	8.89	---	1912
1913	4.69	3.98	5.22	9.69	7.33	24.9	11.8	16.5	9.91	5.66	10.7	18.0	10.7	1913
1914	6.15	2.60	2.78	2.56	3.47	25.2	17.7	4.87	2.10	5.82	6.36	4.47	7.02	1914
1915	4.51	7.54	10.7	6.12	1.62	23.9	40.9	21.6	6.66	5.71	6.74	4.71	11.8	1915
1916	7.72	9.83	11.0	6.90	1.61	12.0	21.1	17.1	12.1	7.03	13.8	16.4	11.4	1916
1917	6.83	7.04	4.00	3.15	3.00	27.2	22.3	9.73	7.47	5.88	4.90	11.5	9.42	1917
1918	12.1	6.70	3.26	5.00	2.84	14.3	14.4	9.78	6.74	4.79	5.09	11.7	8.07	1918
1919	11.8	6.65	3.46	3.73	2.27	7.32	10.8	15.3	6.92	5.70	8.25	7.44	7.49	1919
1920	7.25	5.98	3.85	2.88	2.39	2.77	41.5	10.2	4.90	4.49	6.85	6.48	8.35	1920
1921	9.28	5.26	4.84	4.73	2.66	21.0	15.7	8.38	4.93	2.99	3.86	6.05	7.48	1921
1922	4.73	5.09	5.14	4.67	4.84	17.4	13.3	10.4	6.01	2.69	5.82	8.78	7.41	1922
1923	6.88	5.14	4.05	3.95	4.00	32.3	19.6	12.5	5.02	4.47	2.57	5.98	8.88	1923
1924	7.46	7.75	8.27	7.82	5.00	13.5	23.3	17.1	6.21	4.58	4.08	6.22	9.29	1924
1925	6.49	6.65	6.77	7.36	6.04	17.0	11.8	13.4	8.78	6.88	5.10	4.09	8.36	1925
1926	7.49	8.74	8.32	5.85	1.93	1.43	8.24	6.15	13.2	6.36	6.53	6.07	6.68	1926
1927	6.18	8.28	8.03	6.60	3.31	17.7	19.4	14.0	11.9	5.95	6.17	6.49	9.50	1927
1928	9.23	9.38	8.10	5.65	3.70	30.8	28.5	9.26	6.46	3.74	3.89	4.96	10.3	1928
1929	6.71	7.38	7.49	4.82	3.51	10.5	9.99	6.03	3.65	7.72	13.5	10.3	7.63	1929
1930	4.32	1.58	1.92	2.34	2.24	20.5	19.6	9.27	6.25	2.79	4.44	9.99	7.13	1930
1931	12.1	7.64	3.34	2.20	1.36	5.40	14.3	6.54	5.51	2.20	4.36	7.14	6.01	1931
1932	6.70	8.91	6.87	3.69	2.57	37.6	12.2	9.85	6.18	3.54	3.45	4.68	8.61	1932
1933	3.08	5.30	6.69	10.6	5.58	19.0	17.9	8.69	7.22	4.39	2.82	3.05	7.86	1933
1934	3.06	2.77	5.44	12.4	16.5	10.2	9.70	5.99	4.77	4.33	3.10	2.44	6.75	1934
1935	7.05	2.27	7.60	10.6	2.82	12.1	20.1	11.2	5.99	3.14	4.36	10.4	8.19	1935
1936	4.91	7.02	4.75	1.58	1.38	5.72	9.44	4.69	4.19	3.37	2.05	3.91	4.41	1936
1937	10.3	11.8	2.46	1.64	2.87	5.69	10.2	6.73	4.68	4.69	2.55	5.39	5.72	1937
1938	5.80	7.12	4.30	2.77	3.68	28.3	14.3	6.79	7.14	4.11	4.98	8.76	8.15	1938
1939	4.69	6.06	5.01	2.04	1.73	2.62	14.7	6.40	5.34	2.97	3.86	3.16	4.89	1939
1940	10.6	6.90	5.64	5.56	3.52	5.59	10.3	6.27	6.69	5.44	3.72	2.24	6.04	1940
1941	1.72	1.74	1.68	1.25	0.025	0.059	0.135	0.129	0.111	---	---	---	---	1941
MEAN	6.89	6.18	5.55	5.00	3.74	15.6	16.4	10.2	6.67	4.86	5.59	7.23	7.99	MEAN

LOCATION - LAT 51 13 40 N LONG 115 31 00 W DRAINAGE AREA, 664 km² NATURAL FLOW

CASCADE RIVER NEAR BANFF - STATION NO. 05BD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON AUG 18	0 ON JUN 1 *	---	1912
1913	---	35.1 ON JUN 11	0.085 ON MAY 27	338 000	1913
1914	---	39.6 ON JUN 5	0.074 ON MAY 1	222 000	1914
1915	---	73.9 ON JUN 28 *	0.156 ON MAY 23	372 000	1915
1916	---	26.6 ON JUN 21	1.36 ON MAY 10	360 000	1916
1917	---	60.9 ON JUN 10	2.55 ON MAY 11	297 000	1917
1918	---	31.4 ON JUN 16	2.52 ON MAY 8	255 000	1918
1919	---	44.2 ON AUG 6	1.78 ON MAY 3	236 000	1919
1920	---	59.7 ON JUL 16	2.32 ON APR 30	264 000	1920
1921	---	38.5 ON JUN 27	2.38 ON MAY 1	236 000	1921
1922	---	29.2 ON JUN 5	2.52 ON OCT 9	234 000	1922
1923	---	69.4 ON JUN 14	0.453 ON NOV 13	280 000	1923
1924	---	48.7 ON JUL 2	0.906 ON FEB 10	294 000	1924
1925	---	35.4 ON JUN 21	4.05 E ON DEC 3	264 000	1925
1926	---	24.3 ON SEP 2	0.527 ON JUN 6	211 000	1926
1927	---	42.5 ON JUN 25	3.31 ON MAY 1	299 000	1927
1928	---	62.3 ON JUN 25	3.51 ON APR 27	326 000	1928
1929	---	18.9 ON JUN 16	1.36 ON SEP 29	241 000	1929
1930	---	38.2 ON JUN 29	1.29 B ON MAR 12	225 000	1930
1931	---	21.8 ON JUL 7	1.21 ON MAY 20	190 000	1931
1932	---	44.5 ON JUN 12	1.08 ON FEB 28	278 000	1932
1933	---	45.3 ON JUN 17	1.61 B ON DEC 8	248 000	1933
1934	---	25.1 ON MAY 4	1.98 E ON DEC 21	213 000	1934
1935	---	26.6 ON JUN 19	1.78 ON FEB 3	258 000	1935
1936	---	13.1 ON JUL 1	1.19 ON MAY 31	140 000	1936
1937	---	17.6 E ON JUL 19	1.27 ON APR 18	181 000	1937
1938	39.4 AT 20:00 MST ON JUN 24 *	38.5 ON JUN 22	1.81 ON MAY 15	257 000	1938
1939	35.7 AT 12:00 MST ON JUL 1	32.8 ON JUL 2	1.25 ON APR 23	154 000	1939
1940	---	11.7 E ON JAN 28	1.50 ON DEC 25	191 000	1940
1941	---	2.10 ON JAN 1	0.025E ON APR 26	---	1941
MEAN				252 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	31.3	68.9	38.3	10.2	7.93	4.11	5.43	---	---	1916
1944	---	---	---	---	---	17.1	7.76	4.48	3.88	3.39	2.81	1.94	---	1944
1945	1.46	---	---	---	---	---	---	---	---	---	---	---	---	1945
MEAN	1.46	---	---	---	31.3	43.0	23.0	7.34	5.91	3.75	4.12	1.94	---	MEAN

LOCATION - LAT 49 30 00 N LONG 114 16 20 W DRAINAGE AREA, 757 km² NATURAL FLOW

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	106 ON JUN 21 *	---	---	1916
1944	---	41.9 ON MAY 20	---	---	1944
1945	---	1.64B ON JAN 1	1.30B ON JAN 29 *	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.66	3.92	32.5	55.3	19.9	4.34	2.26	2.02	---	---	15.2	1967
1968	---	---	2.90	3.39	26.3	35.3	12.3	4.45	6.42	8.14	---	---	12.4	1968
1969	---	---	1.77	12.0	30.0	34.7	13.6	3.72	3.12	2.36	---	---	12.6	1969
1970	---	---	0.757	1.79	32.3	50.2	8.73	2.93	2.58	2.49	---	---	12.6	1970
1971	---	---	1.88	6.05	38.8	35.7	13.8	4.31	2.70	2.78	---	---	13.2	1971
1972	---	---	3.51	6.20	41.9	54.0	20.4	7.53	4.15	4.51	---	---	17.7	1972
1973	---	---	1.30	2.64	21.8	21.4	6.46	2.45	1.97	1.83	---	---	7.47	1973
1974	---	---	2.10	7.97	27.9	60.3	19.3	5.76	2.99	2.18	---	---	16.0	1974
1975	---	---	1.07	1.19	23.9	74.1	25.3	5.93	3.81	3.44	---	---	17.2	1975
1976	---	---	1.74	7.84	35.5	23.8	14.9	9.76	4.05	2.24	---	---	12.5	1976
1977	---	---	1.02	4.44	12.9	8.72	2.95	2.10	2.51	1.80	---	---	4.55	1977
1978	---	---	1.01	4.28	26.8	33.0	13.8	4.56	4.67	3.47	---	---	11.4	1978
1979	---	---	1.38	2.28	25.1	24.4	6.91	2.91	1.99	1.41	---	---	8.28	1979
1980	---	---	1.03	10.7	35.4	24.2	5.68	3.26	3.75	2.95	---	---	10.9	1980
1981	---	---	2.42	7.99	41.2	32.0	13.9	4.66	2.68	1.81	---	---	13.3	1981
1982	---	---	1.24	1.53	21.8	42.1	14.7	4.33	2.35	2.55	---	---	11.3	1982
MEAN	---	---	1.67	5.26	29.6	38.1	13.3	4.56	3.25	2.87	---	---	12.3	MEAN

LOCATION - LAT 49 23 55 N DRAINAGE AREA, 376 km^2
LONG 114 20 20 W NATURAL FLOW

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	94.3 AT 01:00 MST ON MAY 23	88.3 ON MAY 22	1.30 ON MAR 27	321 000	1967
1968	59.2 AT 03:20 MST ON MAY 23	55.2 ON MAY 23	1.88 ON MAR 1	262 000	1968
1969	62.9 AT 20:31 MST ON JUN 26	58.0 ON JUN 27	0.850B ON MAR 7	267 000	1969
1970	·30 AT 17:30 MST ON JUN 13	103 ON JUN 14	0.436B ON MAR 10 *	268 000	1970
1971	80.4 AT 08:00 MST ON MAY 28	76.2 ON MAY 28	1.35 ON APR 3	280 000	1971
1972	116 AT 10:00 MST ON JUN 1	109 ON JUN 1	0.453B ON MAR 1	375 000	1972
1973	56.9 AT 05:10 MST ON MAY 18	54.9 ON MAY 18	1.19 B ON MAR 19	158 000	1973
1974	97.7 AT 06:40 MST ON JUN 18	94.6 ON JUN 17	1.53 B ON MAR 1	338 000	1974
1975	402 AT 00:20 MST ON JUN 20 *	297 ON JUN 20 *	0.847B ON APR 17	365 000	1975
1976	75.6 AT 09:30 MST ON MAY 11	70.5 ON MAY 11	1.42 B ON MAR 19	264 000	1976
1977	20.8 AT 14:20 MST ON MAY 11	19.9 ON MAY 11	0.875B ON MAR 13	96 300	1977
1978	61.2 AT 10:15 MST ON JUN 6	58.6 ON JUN 6	0.629B ON MAR 4	242 000	1978
1979	65.8 AT 08:10 MST ON MAY 27	62.3 ON MAY 27	1.02 B ON MAR 1	175 000	1979
1980	102 AT 13:20 MST ON MAY 26	84.7 ON MAY 26	0.973 ON MAR 20	230 000	1980
1981	102 AT 00:35 MST ON MAY 23	91.7 ON MAY 22	1.59 ON OCT 22	281 000	1981
1982	58.7 AT 23:35 MST ON JUN 14	58.0 ON JUN 14	0.997 ON APR 10	238 000	1982
	B - ICE CONDITIONS	* - EXTFEME RECORDED FOR THE PERIOD OF RECORD		260 000	MEAN

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	1.60	1.49	2.67	50.5	75.0	18.1	4.53	4.17	4.99	5.56	3.11	---	1945
1946	3.19	2.29	3.08	20.7	55.9	47.8	16.8	5.48	5.40	7.49	5.73	3.72	14.9	1946
1947	2.93	2.25	5.00	28.3	74.5	48.2	15.0	6.42	9.86	27.6	12.5	5.03	19.9	1947
1948	3.51	3.12	2.63	13.9	93.2	117	19.4	11.1	4.59	3.73	3.24	2.70	23.1	1948
1949	1.43	1.48	1.75	12.7	50.2	30.6	8.81	3.97	3.76	4.29	6.94	---	---	1949
1950	---	---	---	---	59.6	84.9	32.3	6.88	3.38	6.81	9.10	6.58	---	1950
1951	4.05	4.63	3.61	23.3	93.2	69.8	46.5	13.8	25.5	24.4	9.08	6.03	27.2	1951
1952	4.13	5.07	3.38	31.2	45.2	27.4	12.2	6.75	4.00	2.74	2.07	1.70	12.1	1952
1953	1.73	2.77	2.59	12.1	64.2	112	30.7	7.43	4.16	3.00	4.28	3.26	20.7	1953
1954	2.33	1.77	1.63	7.22	79.9	74.7	45.3	10.3	8.98	10.9	7.50	5.37	21.4	1954
1955	2.84	2.36	3.64	6.48	43.4	78.2	27.0	6.43	3.21	8.59	7.09	3.07	16.1	1955
1956	2.16	2.54	2.86	14.5	69.2	58.5	20.9	6.41	3.68	4.92	3.86	3.00	16.1	1956
1957	2.70	3.62	1.89	8.26	77.0	80.4	9.24	3.97	3.00	4.72	6.04	3.78	13.8	1957
1958	3.21	2.42	2.80	9.63	82.5	43.9	15.2	5.23	3.36	3.48	3.40	3.79	15.0	1958
1959	4.53	3.73	2.39	16.4	61.3	83.9	26.0	7.21	11.2	15.1	11.2	6.92	20.9	1959
1960	5.98	5.91	7.96	21.1	43.8	55.8	16.3	6.08	3.36	2.44	2.28	2.20	14.4	1960
1961	2.15	2.07	2.78	8.97	72.4	68.4	11.9	4.48	3.95	9.68	5.45	2.97	16.3	1961
1962	2.32	3.62	2.86	25.5	41.1	44.3	12.5	4.70	3.72	3.31	4.18	3.69	12.6	1962
1963	2.29	3.94	3.25	8.32	36.8	49.5	26.2	5.33	3.38	3.08	3.19	3.45	12.4	1963
1964	3.06	2.13	2.13	5.34	62.9	113	24.6	6.22	4.70	5.95	3.79	2.31	19.6	1964
1965	2.04	1.62	1.55	12.6	54.3	84.1	27.6	7.90	8.26	8.21	4.68	4.97	18.2	1965
1966	2.70	2.58	3.16	17.9	57.4	54.8	18.6	7.38	4.86	4.34	5.38	3.36	15.3	1966
1967	2.80	2.35	1.98	5.23	76.7	102	30.0	6.08	3.52	3.85	5.13	3.19	20.3	1967
1968	3.37	3.53	5.27	6.69	53.7	60.0	19.2	7.56	10.7	13.3	7.09	5.61	16.4	1968
1969	3.44	2.99	3.06	29.0	53.5	62.2	23.1	5.35	3.28	3.72	3.21	2.43	16.3	1969
1970	1.84	1.71	2.11	3.07	59.6	74.4	14.2	4.48	3.54	3.46	2.23	2.13	14.4	1970
1971	1.68	2.86	2.33	11.7	72.1	59.5	20.4	5.94	3.83	4.10	3.90	2.78	16.0	1971
1972	1.50	0.904	9.40	14.4	83.2	90.6	31.0	11.7	6.57	7.33	5.75	3.40	22.2	1972
1973	2.39	2.08	2.32	7.67	40.1	36.8	10.4	3.93	2.82	3.04	4.30	3.45	9.97	1973
1974	4.55	4.14	3.53	18.9	63.1	107	33.4	9.16	4.85	3.29	2.92	2.67	21.5	1974
1975	1.95	1.66	1.36	3.15	56.6	126	39.9	9.17	6.12	6.40	9.03	13.6	23.0	1975
1976	4.08	3.02	3.63	17.3	64.0	39.2	23.2	19.3	6.43	3.71	3.00	2.19	15.8	1976
1977	1.59	1.84	1.76	8.26	20.5	12.9	4.18	3.31	4.10	3.13	2.50	1.93	5.51	1977
1978	1.75	1.42	2.68	9.79	52.6	53.8	24.7	7.22	6.85	5.35	3.50	2.77	14.4	1978
1979	2.02	1.85	3.15	7.42	52.4	40.8	10.6	4.39	2.85	2.31	1.32	1.98	11.0	1979
1980	1.68	2.01	1.98	23.5	57.9	35.5	8.38	4.82	6.10	4.66	5.53	11.0	13.6	1980
1981	7.24	4.63	4.53	17.0	75.3	50.6	21.2	6.74	3.48	2.79	2.36	2.57	16.6	1981
1982	1.65	2.06	1.94	3.93	44.9	69.1	22.1	5.90	3.74	4.36	3.45	2.55	13.8	1982
MEAN	2.87	2.72	3.07	13.4	60.4	65.3	21.5	6.92	5.51	6.44	5.05	3.93	16.6	MEAN

LOCATION - LAT 49 29 20 N   DRAINAGE AREA, 826 km²
LONG 114 08 40 W   NATURAL FLOW

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	145 AT 19:00 MST ON JUN 6	142 ON JUN 6	---	---	1945
1946	---	96.8 ON MAY 29	1.78 ON MAR 9	469 000	1946
1947	---	143 ON MAY 10	1.95 B ON FEB 8	627 000	1947
1948	442 AT 14:00 MST ON MAY 22	362 ON MAY 23	2.01 B ON DEC 31	732 000	1948
1949	73.9 AT 16:30 MST ON MAY 13	71.9 ON MAY 13	---	---	1949
1950	128 AT 03:00 MST ON JUN 16	122 ON JUN 16	---	---	1950
1951	145 AT 16:00 MST ON MAY 14	136 ON MAY 14	2.44 B ON MAR 3	857 000	1951
1952	92.3 AT 22:30 MST ON APR 27	89.5 ON APR 28	1.16 B ON NOV 25	384 000	1952
1953	283 AT 20:00 MST ON JUN 8	257 ON JUN 8	1.02 B ON JAN 19	651 000	1953
1954	215 AT 22:00 MST ON MAY 19	187 ON MAY 20	1.19 B ON JAN 20	676 000	1954
1955	124 AT 23:59 MST ON MAY 19	114 ON JUN 14	1.13 B ON FEB 7	506 000	1955
1956	183 AT 03:00 MST ON MAY 21	174 ON MAY 21	1.13 B ON MAR 12	508 000	1956
1957	115 AT 05:00 MST ON MAY 21	106 ON MAY 21	1.19 B ON MAR 9	435 000	1957
1958	144 AT 21:00 MST ON MAY 12	125 ON MAY 12	1.44 B ON FEB 21	474 000	1958
1959	138 AT 23:00 MST ON JUN 5	136 ON JUN 5	1.64 B ON MAR 5	657 000	1959
1960	119 AT 05:00 MST ON MAY 13	111 ON MAY 13	1.64 ON NOV 9	456 000	1960
1961	176 AT 06:00 MST ON MAY 27	170 ON MAY 27	1.76 B ON JAN 11	515 000	1961
1962	67.4 AT 08:00 MST ON APR 25	65.7 ON APR 25	1.14 B ON DEC 26	399 000	1962
1963	89.2 AT 07:00 MST ON JUN 30	87.2 ON JUN 30	1.20 B ON JAN 19	392 000	1963
1964	510 AT 21:00 MST ON JUN 8	360 ON JUN 8	1.54 B ON JAN 20	620 000	1964
1965	294 AT 19:00 MST ON JUN 17	219 ON JUN 18	1.13 B ON FEB 11	573 000	1965
1966	111 AT 21:30 MST ON MAY 10	100 ON MAY 29	1.13 B ON MAR 9	481 000	1966
1967	227 AT 22:00 MST ON MAY 22	208 ON MAY 22	1.55 B ON MAR 7	641 000	1967
1968	157 AT 01:00 MST ON MAY 23	142 ON MAY 23	3.23 B ON JAN 1	518 000	1968
1969	159 AT 08:23 MST ON JUN 26	144 ON JUN 26	2.07 B ON DEC 31	513 000	1969
1970	210 AT 21:00 MST ON JUN 13	170 ON JUN 14	1.21 B ON DEC 6	456 000	1970
1971	125 AT 06:00 MST ON MAY 28	120 ON MAY 28	1.22 B ON DEC 23	504 000	1971
1972	213 A ON JUN 1	201 A ON JUN 1	0.807B ON FEB 8	702 000	1972
1973	96.6 AT 03:30 MST ON MAY 18	94.0 ON MAY 18	1.61 B ON FEB 13	314 000	1973
1974	171 AT 04:20 MST ON JUN 17	167 ON JUN 17	1.80 B ON DEC 23	678 000	1974
1975	736 AT 02:00 MST ON JUN 20 *	535 ON JUN 20 *	0.841B ON FEB 13	725 000	1975
1976	124 AT 10:30 MST ON MAY 11	119 ON MAY 11	1.53 B ON DEC 27	500 000	1976
1977	35.1 AT 18:00 MST ON MAY 11	33.4 ON MAY 11	1.20 B ON JAN 10	174 000	1977
1978	99.1 AT 12:20 MST ON JUN 6	96.3 ON JUN 6	1.01 B ON MAR 2	455 000	1978
1979	113 AT 04:35 MST ON MAY 27	107 ON MAY 25	0.503B ON NOV 25 *	346 000	1979
1980	131 AT 17:30 MST ON MAY 26	112 ON MAY 26	1.31 B ON JAN 26	430 000	1980
1981	---	150 E ON MAY 22	1.50 B ON DEC 28	524 000	1981
1982	101 AT 11:20 MST ON MAY 26	97.7 ON MAY 26	1.38 B ON JAN 9	436 000	1982
MEAN				524 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	7.78	5.77	---	---	---	1909
1910	---	---	---	31.6	54.1	40.2	14.1	5.79	10.5	20.5	---	---	---	1910
1911	2.45	3.33	6.41	21.1	64.4	104	26.5	21.5	54.1	16.0	24.6	6.29	29.2	1911
1912	3.03	2.32	2.64	19.3	52.3	40.6	32.7	12.6	8.21	8.63	9.04	3.75	16.3	1912
1913	3.37	2.79	2.49	17.4	55.3	76.7	22.3	12.0	7.50	11.2	9.78	3.90	18.8	1913
1914	4.00	4.66	4.09	25.7	50.5	43.7	16.9	9.96	8.79	26.5	17.1	8.41	18.4	1914
1915	6.25	3.85	4.06	20.4	66.7	60.9	27.7	15.9	11.9	15.0	9.50	5.56	20.7	1915
1916	3.53	9.06	9.24	21.5	43.9	114	52.2	14.4	9.66	5.83	4.41	3.16	24.2	1916
1917	2.54	2.21	2.51	4.48	60.7	98.3	33.6	6.71	5.08	4.21	3.37	3.18	18.9	1917
1918	4.81	2.50	4.97	15.3	48.7	70.5	14.7	6.87	6.22	6.07	3.90	3.19	15.7	1918
1919	3.34	2.10	2.28	13.0	49.9	37.6	10.8	4.55	2.97	3.62	3.62	2.69	11.4	1919
1920	2.40	2.48	2.61	6.11	48.1	81.4	37.7	9.25	5.92	6.58	4.62	3.37	17.6	1920
1921	3.53	3.59	4.78	16.7	61.2	74.2	21.5	6.57	4.35	4.70	3.11	3.06	17.3	1921
1922	2.47	2.02	1.86	6.27	65.8	79.5	19.1	6.39	3.65	4.05	4.09	2.76	16.5	1922
1923	2.43	2.02	2.28	9.69	86.3	187	24.6	10.1	5.65	4.23	4.12	3.12	28.4	1923
1924	2.32	3.07	2.73	8.12	55.3	63.5	19.0	17.0	7.25	6.17	5.63	5.34	16.3	1924
1925	4.17	2.98	3.90	26.7	69.5	53.9	16.5	6.82	6.43	9.31	7.20	5.57	17.8	1925
1926	4.55	3.24	3.23	17.3	21.9	19.9	9.79	4.93	17.5	27.1	11.2	6.02	12.2	1926
1927	3.42	2.70	3.09	17.1	65.0	139	57.8	17.5	30.5	26.1	12.2	7.48	31.8	1927
1928	7.81	5.84	8.21	16.9	96.4	72.1	42.9	10.1	7.87	15.9	7.44	5.10	24.8	1928
1929	2.80	2.12	4.96	5.76	58.0	70.9	16.1	5.52	4.32	4.74	3.03	2.97	15.1	1929
1930	2.21	3.15	3.30	27.8	61.4	53[illegible]	15.2	5.38	3.91	3.58	2.89	2.18	15.4	1930
1931	1.75	2.50	2.11	3.60	---	--	---	---	---	---	---	---	---	1931
MEAN	3.48	3.26	3.89	16.0	58.8	75.3	25.3	9.99	10.5	10.7	7.54	4.36	19.3	MEAN

LOCATION - LAT 49 32 00 N LONG 114 02 00 W DRAINAGE AREA, 1 120 km² NATURAL FLOW

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	79.0 ON MAY 26	---	---	1910
1911	---	174 ON SEP 4	1.95 B ON JAN 3	921 000	1911
1912	---	77.3 ON MAY 16	2.01 B ON FEB 29	515 000	1912
1913	---	142 ON MAY 29	2.15 B ON FEB 27	592 000	1913
1914	---	83.0 ON JUN 4	2.32 B ON JAN 28	580 000	1914
1915	---	123 ON MAY 1	3.00 B ON MAR 14	654 000	1915
1916	---	200 ON JUN 19	2.75 B ON DEC 28	765 000	1916
1917	---	155 ON JUN 9	1.70 B ON FEB 27	598 000	1917
1918	---	138 ON JUN 11	1.81 B ON FEB 22	495 000	1918
1919	---	98.8 ON MAY 28	1.42 B ON FEB 3	360 000	1919
1920	---	127 ON JUN 16	0.963B ON JAN 21 *	555 000	1920
1921	---	135 ON MAY 26	1.93 B ON FEB 6	546 000	1921
1922	---	168 ON JUN 5	1.50 B ON MAR 13	521 000	1922
1923	---	1 120 ON JUN 1 *	1.64 B ON JAN 30	896 000	1923
1924	---	112 ON JUN 7	2.10 B ON JAN 1	516 000	1924
1925	---	128 ON MAY 20	2.80 B ON FEB 28	562 000	1925
1926	---	43.6 ON OCT 18	1.98 B ON APR 5	386 000	1926
1927	---	239 ON JUN 11	2.52 B ON FEB 17	1 000 000	1927
1928	---	137 ON MAY 22	3.91 B ON DEC 31	785 000	1928
1929	---	163 ON JUN 3	1.42 B ON NOV 22	477 000	1929
1930	---	102 ON MAY 21	1.67 B ON DEC 17	486 000	1930
1931	---	---	---	---	1931
				611 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	9.02	3.55	1.06	0.520	0.459	---	---	---	1966
1967	---	---	---	0.221	5.32	15.1	4.17	1.05	0.490	0.414	---	---	---	1967
1968	---	---	0.320	0.339	2.72	6.77	2.59	1.22	1.14	1.41	---	---	---	1968
1969	---	---	0.235	1.09	6.46	11.0	5.53	0.924	0.493	0.506	---	---	---	1969
1970	---	---	---	0.224	4.19	10.6	2.74	0.709	0.551	0.433	---	---	---	1970
1971	---	---	---	0.523	7.18	9.68	2.65	0.862	0.534	0.561	0.343	0.275	---	1971
1972	0.188	0.138	0.210	0.332	7.55	17.0	4.36	2.68	1.65	1.05	0.585	0.370	3.00	1972
1973	0.299	0.274	0.272	0.341	4.87	7.95	2.27	0.950	0.797	0.440	0.300	0.262	1.59	1973
1974	0.178	0.216	0.224	0.446	4.34	19.2	3.96	1.36	0.802	0.678	0.434	0.293	2.67	1974
1975	0.203	0.203	0.199	0.259	3.33	14.3	5.15	1.72	0.969	0.780	0.649	0.402	2.34	1975
1976	0.321	0.267	0.218	0.909	7.69	5.67	2.51	5.48	1.50	0.898	0.531	0.317	2.20	1976
1977	0.235	0.257	0.215	0.688	2.56	3.01	0.973	1.07	1.12	0.840	0.537	0.354	0.990	1977
1978	0.278	0.260	0.345	0.636	4.24	9.79	4.68	1.52	0.983	0.886	0.538	0.343	2.05	1978
1979	0.230	0.239	0.250	0.295	4.56	6.24	1.70	1.31	1.03	0.461	0.286	0.265	1.41	1979
1980	0.204	0.157	0.160	1.36	7.06	7.49	1.57	1.17	1.15	0.922	0.662	0.513	1.87	1980
1981	0.368	0.246	0.319	0.879	9.61	11.1	5.61	2.08	0.793	0.657	0.358	0.190	2.70	1981
1982	0.107	0.144	0.165	0.322	2.56	7.79	2.26	0.760	0.676	0.652	0.331	0.174	1.33	1982
MEAN	0.237	0.218	0.241	0.554	5.27	10.1	3.31	1.53	0.894	0.709	0.463	0.313	2.01	MEAN

LOCATION - LAT 50 17 04 N LONG 114 35 25 W DRAINAGE AREA, 166 km² NATURAL FLOW

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	18.0 AT 20:00 MST ON JUN 4	16.0 ON JUN 5	---	---	1966
1967	39.4 AT 17:00 MST ON MAY 30	31.1 ON MAY 30	---	---	1967
1968	11.4 AT 15:30 MST ON JUN 7	10.5 ON JUN 10	---	---	1968
1969	---	23.9 ON JUN 26	---	---	1969
1970	27.7 AT 22:40 MST ON JUN 13	22.4 ON JUN 14	---	---	1970
1971	24.7 AT 06:30 MST ON JUN 6	23.1 ON JUN 6	---	---	1971
1972	39.6 AT 22:30 MST ON MAY 31	34.3 ON MAY 31	0.110B ON FEB 8	94 800	1972
1973	15.5 AT 22:00 MST ON MAY 30	13.1 ON MAY 31	0.193B ON DEC 31	50 100	1973
1974	48.1 AT 22:00 MST ON JUN 16	39.1 ON JUN 16 *	0.144B ON JAN 14	84 200	1974
1975	56.6 AT 22:30 MST ON JUN 19 *	38.8 ON JUN 20	0.167B ON JAN 20	73 900	1975
1976	35.1 AT 22:30 MST ON AUG 5	21.1 ON AUG 6	0.178B ON MAR 25	69 700	1976
1977	5.61 AT 23:30 MST ON JUN 7	5.15 ON JUN 8	0.161B ON JAN 15	31 200	1977
1978	22.1 AT 20:00 MST ON JUN 5	18.4 ON JUN 5	0.252B ON JAN 30	64 400	1978
1979	20.1 AT 20:30 MST ON MAY 26	15.1 ON MAY 26	0.169B ON DEC 2	44 500	1979
1980	34.1 AT 22:00 MST ON MAY 25	23.5 ON MAY 26	0.141B ON JAN 27	59 100	1980
1981	48.8 AT 22:00 MST ON MAY 25	33.5 ON MAY 26	0.086B ON DEC 28	85 000	1981
1982	13.8 AT 20:43 MST ON JUN 13	11.9 ON JUN 14	0.080B ON JAN 3 *	41 900	1982
				63 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	0.090	0	0.002	0	0.040	0	0	0	0	---	---	0.005	1981
1982	---	0.122	0.492	0.617	0.069	0.378	0	0.001	0	0	---	---	0.193	1982
MEAN	---	0.106	0.246	0.310	0.035	0.209	0	0.001	0	0	---	---	0.099	MEAN

LOCATION - LAT 49 53 50 N
LONG 110 28 50 W   REGULATED

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.419 ON JUN 16	0 ON MAR 1 *	107	1981
1982	---	4.15 ON APR 13 *	0B ON MAR 1	4 090	1982
				2 100	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.034	0.076	0.022	0.076	---	---	---	1966
1967	---	---	---	---	0.743	0.052	0.111	0.209	0.187	0.111	---	---	0.237	1967
1968	---	---	---	---	0.003	0.004	0.007	0.003	0.003	0.002	---	---	0.004	1968
MEAN	---	---	---	---	0.373	0.028	0.051	0.096	0.071	0.063	---	---	0.121	MEAN

LOCATION - LAT 49 46 40 N
LONG 112 27 30 W   REGULATED

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	3.20 E ON MAY 11 *	0.003E ON OCT 31	3 770	1967
1968	---	0.016 ON SEP 10	0 ON OCT 21 *	59.5	1968
				1 910	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	1.43	---	1969
1970	0.449	0.291	0.358	38.1	49.4	34.6	20.9	3.29	3.76	5.63	1.41	0.124	13.2	1970
1971	0.095	0.034	0.040	57.2	57.2	85.3	66.9	13.8	10.6	9.96	2.75	1.90	25.5	1971
1972	1.03	0.577	0.408	6.60	406	25.3	59.0	23.3	4.70	3.65	3.52	1.25	45.2	1972
1973	0.615	0.529	0.193	88.5	167	93.5	80.9	50.4	29.2	14.3	4.47	2.78	44.6	1973
1974	1.34	0.968	0.930	172	289	53.4	25.1	17.9	15.0	15.3	3.34	1.07	49.9	1974
1975	0.452	0.354	0.200	17.7	76.4	42.0	29.2	6.17	9.99	3.14	1.64	0.875	15.8	1975
1976	0.383	0.193	0.136	43.3	48.5	76.8	84.9	123	40.5	18.3	6.10	1.67	37.1	1976
1977	1.63	1.43	1.26	59.2	103	304	54.4	21.1	13.9	10.3	3.39	0.963	47.7	1977
1978	0.786	0.791	0.669	10.4	124	47.3	8.50	10.5	52.1	22.3	4.61	2.42	23.8	1978
1979	1.11	0.771	0.597	8.08	265	180	113	22.0	17.3	8.53	---	---	---	1979
1980	---	---	0	6.23	5.15	13.4	13.8	18.3	16.5	20.0	4.13	0.597	---	1980
1981	0.319	0.238	0.393	39.6	177	19.1	12.4	3.31	0.997	1.16	1.59	0.526	21.6	1981
1982	0.179	0.119	0.138	0.897	182	10.3	2.04	5.63	4.64	3.09	0.966	0.624	17.8	1982
MEAN	0.699	0.525	0.409	42.1	150	75.8	43.9	24.5	16.9	10.4	3.16	1.25	31.1	MEAN

LOCATION - LAT 58 35 48 N DRAINAGE AREA, 10 400 km²
LONG 118 20 00 W NATURAL FLOW

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	140 B ON APR 23	0.076B ON DEC 27	417 000	1970
1971	345 AT 22:00 MST ON JUN 20	340 ON JUN 20	0.003B ON FEB 21 *	805 000	1971
1972	770 AT 05:00 MST ON MAY 7	748 ON MAY 6	0.340B ON APR 18	1 430 000	1972
1973	311 AT 06:30 MST ON MAY 14	309 ON MAY 14	0.173B ON MAR 10	1 410 000	1973
1974	824 A AT 02:00 MST ON APR 29 *	810 A ON APR 29 *	0.694B ON DEC 26	1 570 000	1974
1975	163 AT 03:00 MST ON MAY 29	161 ON MAY 29	0.113B ON MAR 28	498 000	1975
1976	433 AT 09:30 MST ON AUG 20	422 ON AUG 20	0.040B ON FEB 26	1 170 000	1976
1977	725 AT 02:00 MST ON JUN 13	694 ON JUN 7	0.631B ON DEC 19	1 500 000	1977
1978	348 E AT 23:00 MST ON MAY 1	328 E ON MAY 2	0.580B ON MAR 19	751 000	1978
1979	412 AT 02:00 MST ON JUL 6	403 ON JUL 6	---	---	1979
1980	46.7 AT 19:50 MST ON JUL 30	46.0 ON JUL 30	---	---	1980
1981	497 AT 00:30 MST ON MAY 4	479 ON MAY 4	0.041B ON MAR 3	682 000	1981
1982	328 AT 20:45 MST ON MAY 5	309 ON MAY 6	0.080B ON FEB 14	561 000	1982
				981 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	14.6	11.6	21.8	12.4	6.20	---	---	---	1982
MEAN	---	---	---	---	---	14.6	11.6	21.8	12.4	6.20	---	---	---	MEAN

LOCATION - LAT 55 50 20 N DRAINAGE AREA, 4 850 km²
LONG 110 52 00 W

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.00	0.548	0.585	---	---	---	1972
1973	---	---	0.456	1.40	2.48	3.10	1.32	1.15	0.399	0.817	---	---	1.39	1973
1974	---	---	0.061	4.84	11.9	1.77	4.85	0.451	0.390	0.357	---	---	3.08	1974
1975	---	---	0.092	1.09	2.25	2.81	2.43	1.65	1.64	0.417	---	---	1.54	1975
1976	---	---	0.096	2.62	0.974	1.25	1.88	3.58	2.26	0.559	---	---	1.65	1976
1977	---	---	0.168	2.18	7.84	4.26	3.99	1.18	1.64	1.13	---	---	2.80	1977
1978	---	---	0.209	1.48	2.57	2.39	3.18	0.922	1.99	0.998	---	---	1.72	1978
1979	---	---	0.263	0.974	6.71	7.16	8.59	1.40	0.265	0.380	---	---	3.22	1979
1980	---	---	0.111	2.81	1.35	2.05	1.62	0.730	0.780	0.565	---	---	1.24	1980
1981	---	---	0.265	1.44	1.63	1.76	0.444	0.157	0.074	0.164	---	---	0.737	1981
1982	---	---	0.014	0.850	2.49	0.115	1.89	1.62	0.717	0.295	---	---	1.00	1982
MEAN	---	---	0.174	1.97	4.02	2.67	3.02	1.26	0.973	0.570	---	---	1.84	MEAN

LOCATION - LAT 54 13 40 N DRAINAGE AREA, 424 km²
LONG 115 19 58 W NATURAL FLOW

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	9.80 AT 00:30 MST ON JUN 27	9.06 ON JUN 27	0.224B ON MAR 6	29 400	1973
1974	31.1 AT 00:20 MST ON MAY 14	27.1 ON MAY 13	0.057B ON MAR 1	65 200	1974
1975	24.7 AT 20:00 MST ON JUN 29	23.7 ON JUN 29	0.079B ON MAR 14	32 700	1975
1976	13.6 AT 20:30 MST ON AUG 28	13.3 ON AUG 28	0.085B ON MAR 1	34 900	1976
1977	27.5 AT 15:00 MST ON MAY 30	26.8 ON MAY 30	0.102B ON APR 2	59 400	1977
1978	17.6 AT 19:15 MST ON JUL 12	15.8 ON JUL 13	0.130B ON MAR 15	36 300	1978
1979	38.1 AT 23:55 MST ON JUL 3 *	34.4 ON JUN 15 *	0.074B ON MAR 1	68 300	1979
1980	8.22 AT 06:10 MST ON APR 18	6.97B ON APR 18	0.066B ON MAR 1	26 300	1980
1981	3.88 AT 23:10 MST ON APR 25	3.52 ON JUN 2	0.005 ON SEP 19 *	15 600	1981
1982	5.29 AT 23:10 MST ON MAY 4	4.72 ON MAY 21	0.010B ON MAR 1	21 300	1982
				38 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	0.146	0.476	---	---	---	1971
1972	---	---	0.009	15.2	52.6	3.75	21.4	5.06	0.694	1.30	---	---	12.6	1972
1973	---	---	0.039	48.8	26.9	13.6	3.37	1.84	2.70	1.61	---	---	12.3	1973
1974	---	---	0.069	85.7	66.1	5.95	10.4	7.20	3.14	3.67	---	---	22.7	1974
1975	---	---	0.007	11.5	17.8	5.21	1.65	0.103	0.330	0.102	---	---	4.58	1975
1976	---	---	0	8.94	7.43	6.97	7.01	16.0	2.33	0.904	---	---	6.20	1976
1977	---	---	0.169	25.1	31.5	21.7	2.73	1.48	0.846	1.06	---	---	10.5	1977
1978	---	---	0.053	7.48	24.2	3.51	0.325	0.162	2.26	1.12	---	---	4.90	1978
1979	---	---	0.069	8.34	24.3	13.7	16.8	2.84	1.41	0.601	---	---	8.52	1979
1980	---	---	0.006	2.94	2.55	2.51	1.24	0.932	1.95	1.22	---	---	1.66	1980
1981	---	---	0.121	34.9	34.7	6.01	1.86	0.199	0.079	0.119	---	---	9.70	1981
1982	---	---	0	7.00	16.4	0.940	0.249	2.63	0.491	0.376	---	---	3.52	1982
MEAN	---	---	0.049	23.3	27.7	7.64	6.09	3.50	1.36	1.05	---	---	8.83	MEAN

LOCATION - LAT 56 18 20 N DRAINAGE AREA, 2 930 km^2
LONG 119 40 50 W NATURAL FLOW

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	162 ON JUL 11	133 ON JUL 11	0 B ON MAR 1 *	266 000	1972
1973	---	106 B ON APR 14	0 B ON MAR 1	260 000	1973
1974	430 E ON APR 25 *	408 E ON APR 25 *	0.057B ON MAR 14	480 000	1974
1975	39.1B AT 04:00 MST ON APR 19	31.7 B ON APR 19	0.003B ON MAR 1	97 000	1975
1976	55.5 AT 01:30 MST ON AUG 19	51.5 ON AUG 19	0 B ON MAR 1	131 000	1976
1977	167 AT 06:00 MST ON MAY 13	153 ON MAY 13	0.144B ON MAR 22	222 000	1977
1978	78.4 AT 10:30 MST ON MAY 23	75.6 ON MAY 23	0.003B ON MAR 1	104 000	1978
1979	84.3 AT 21:30 MST ON APR 28	64.0 ON APR 28	0.050B ON MAR 15	180 000	1979
1980	---	8.00E ON MAY 28	0 B ON MAR 1	35 100	1980
1981	207 AT 04:00 MST ON APR 25	180 ON APR 25	0 B ON MAR 4	205 000	1981
1982	46.3 AT 00:30 MST ON APR 24	31.9 ON APR 24	0 B ON MAR 1	74 500	1982
				187 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	116	---	---	---	---	1966
1967	---	---	---	---	---	131	109	91.1	67.9	67.5	---	---	---	1967
1968	---	---	---	---	106	102	85.2	65.1	90.8	116	74.8	---	---	1968
1969	---	---	---	---	122	91.0	60.7	56.1	74.3	84.1	57.3	---	---	1969
1970	---	---	---	---	---	123	114	84.9	87.5	---	---	---	---	1970
1971	---	---	---	---	116	88.8	106	74.0	61.7	58.5	---	---	---	1971
1972	---	---	---	---	---	88.5	76.9	63.7	58.4	---	---	---	---	1972
1973	---	---	---	---	115	95.5	111	139	93.4	107	---	---	---	1973
1974	---	---	---	---	203	---	---	129	112	107	---	---	---	1974
1975	---	---	---	---	---	122	170	148	154	150	91.9	61.4	---	1975
1976	60.9	50.4	51.4	138	110	105	99.4	105	141	111	64.2	62.3	91.5	1976
1977	59.8	56.6	55.2	117	126	153	153	115	104	101	73.5	60.7	98.0	1977
1978	54.8	51.9	45.4	75.6	149	110	79.3	92.3	137	138	82.1	69.1	90.6	1978
1979	56.1	51.0	47.4	58.0	218	135	110	88.4	104	99.0	72.7	65.9	92.4	1979
1980	54.8	46.4	44.2	94.7	80.8	65.8	57.3	69.3	77.0	75.8	55.5	41.7	63.6	1980
1981	39.9	42.2	45.0	83.6	97.4	75.7	69.8	48.3	40.8	44.0	43.0	35.6	55.5	1981
1982	33.6	26.6	25.9	48.9	158	85.5	73.9	80.9	73.2	66.7	52.9	44.8	64.5	1982
MEAN	51.4	46.4	44.9	88.0	133	105	98.4	90.6	93.7	94.7	66.8	55.2	79.4	MEAN

LOCATION - LAT 56 39 40 N DRAINAGE AREA, 17 000 km^2
LONG 110 55 40 W NATURAL FLOW

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHAR[illegible] (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	300 AT 17:00 MST ON AUG 7	292 ON AUG 7	---	---	1973
1974	---	---	---	---	1974
1975	234 AT 02:00 MST ON JUL 18	233 ON JUL 18	---	---	1975
1976	232 AT 02:00 MST ON APR 17	226 ON APR 17	28.3B ON NOV 25	2 890 000	1976
1977	219B AT 21:10 MST ON APR 21	194 ON JUN 3	45.3B ON NOV 23	3 090 000	1977
1978	240 AT 20:40 MST ON APR 29	221 ON APR 29	44.5B ON MAR 6	2 860 000	1978
1979	369 AT 16:45 MST ON MAY 15 *	366 ON MAY 16 *	46.4B ON MAR 8	2 920 000	1979
1980	175E ON APR 19	175B ON APR 19	34.5B ON DEC 27	2 010 000	1980
1981	119 AT 08:55 MST ON MAY 1	119 ON MAY 1	27.0B ON OCT 26	1 750 000	1981
1982	---	225E ON MAY 1	25.0B ON FEB 21 *	2 040 000	1982
				2 510 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	39.3	35.5	20.7	16.6	12.0	---	---	---	1959
1960	---	---	---	---	11.0	25.7	30.9	20.0	11.1	8.16	---	---	17.8	1960
1961	---	---	---	---	18.7	30.6	21.0	23.8	12.2	9.92	---	---	19.4	1961
1962	---	---	---	---	17.5	24.3	26.7	21.7	14.0	9.05	---	---	18.9	1962
1963	---	---	---	---	11.3	35.1	48.9	28.0	17.9	10.3	---	---	25.2	1963
1964	---	---	---	---	25.6	61.8	45.5	19.2	17.0	12.9	---	---	30.3	1964
1965	---	---	---	---	---	78.2	64.5	31.7	27.5	18.7	---	---	---	1965
1966	---	---	---	---	24.0	29.6	43.4	30.4	19.2	13.3	---	---	26.7	1966
1967	---	---	---	---	18.0	45.4	28.7	19.2	13.4	7.84	---	---	22.0	1967
1968	---	---	---	---	11.7	30.7	32.5	24.1	16.1	12.3	---	---	21.2	1968
1969	---	---	---	---	25.8	38.8	56.5	26.0	14.9	9.86	---	---	28.7	1969
1970	---	---	---	---	14.4	42.8	26.3	16.3	9.80	7.10	---	---	19.4	1970
1971	---	---	---	---	17.2	39.3	23.4	19.1	10.6	7.32	---	---	19.4	1971
1972	---	---	---	---	13.0	61.7	43.2	29.6	18.6	11.9	---	---	29.6	1972
1973	---	---	---	---	28.0	37.1	30.0	21.0	14.8	9.11	---	---	23.3	1973
1974	---	---	---	---	18.8	57.2	37.3	23.6	15.0	10.7	---	---	27.0	1974
1975	---	---	---	---	9.33	18.5	26.2	15.8	9.49	6.80	---	---	14.4	1975
1976	---	---	---	---	12.3	15.3	24.0	25.8	17.4	8.83	---	---	17.3	1976
1977	---	---	---	---	14.8	27.9	18.9	23.2	14.4	10.0	---	---	18.2	1977
1978	---	---	---	---	13.1	48.4	39.6	24.8	22.2	11.7	---	---	26.5	1978
1979	---	---	---	---	16.0	24.6	22.7	18.4	12.1	8.58	---	---	17.0	1979
1980	---	---	---	---	18.4	48.6	24.9	20.6	15.1	11.3	---	---	23.1	1980
1981	---	---	---	---	32.3	30.4	69.2	45.6	19.3	10.9	---	---	34.7	1981
1982	---	---	---	---	10.8	33.7	31.9	17.6	14.7	11.3	---	---	19.9	1982
MEAN	---	---	---	---	17.4	38.5	35.5	23.6	15.6	10.4	---	---	22.7	MEAN

LOCATION - LAT 51 59 30 N LONG 115 26 00 W
DRAINAGE AREA, 1 340 km^2
NATURAL FLOW

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	81.6 AT 07:00 MST ON JUN 13	70.8 ON JUN 27	---	---	1959
1960	49.6 AT 09:00 MST ON JUL 2	47.3 ON JUL 2	5.89 ON MAY 1	283 000	1960
1961	56.4 AT 06:00 MST ON MAY 28	52.4 ON MAY 27	4.93 ON MAY 1	308 000	1961
1962	40.8 AT 06:00 MST ON JUN 27	37.4 ON JUN 27	7.84 ON OCT 30	300 000	1962
1963	92.6 AT 17:00 MST ON JUL 25	77.6 ON JUL 17	6.63 ON MAY 19	401 000	1963
1964	211 AT 02:00 MST ON JUL 4	136 ON JUL 4	8.50E ON OCT 31	481 000	1964
1965	510 AT 18:00 MST ON JUN 18 *	283 ON JUN 18 *	---	---	1965
1966	108 AT 01:00 MST ON JUL 4	93.2 ON JUL 4	6.29 ON MAY 1	424 000	1966
1967	114 AT 02:45 MST ON MAY 31	86.9 ON MAY 31	4.25E ON MAY 4 *	351 000	1967
1968	57.8 AT 12:04 MST ON JUN 27	53.5 ON JUN 27	5.72 ON MAY 8	337 000	1968
1969	154 AT 10:40 MST ON JUL 5	147 ON JUL 5	7.65E ON OCT 31	456 000	1969
1970	209 AT 13:40 MST ON JUN 16	169 ON JUN 16	5.35 ON MAY 1	308 000	1970
1971	119 AT 12:00 MST ON JUN 6	99.1 ON JUN 6	6.29 ON OCT 27	309 000	1971
1972	199 AT 09:30 MST ON JUN 25	180 ON JUN 25	4.25 ON MAY 8	470 000	1972
1973	75.3 AT 16:00 MST ON JUN 24	69.1 ON JUN 24	7.65A ON OCT 31	371 000	1973
1974	120 AT 05:00 MST ON JUN 17	104 ON JUN 17	9.34 ON OCT 31	429 000	1974
1975	40.2 AT 17:00 MST ON JUL 14	39.1 ON JUL 14	4.73A ON MAY 2	228 000	1975
1976	46.7 AT 17:30 MST ON AUG 10	43.0 ON AUG 10	5.30 ON MAY 1	275 000	1976
1977	63.1 AT 07:30 MST ON JUN 9	57.5 ON JUN 9	4.81 ON MAY 2	289 000	1977
1978	92.6 AT 11:45 MST ON JUN 6	84.4 ON JUN 6	7.67 ON MAY 8	422 000	1978
1979	53.5 AT 12:00 MST ON MAY 27	46.7 ON MAY 27	7.37 ON OCT 25	271 000	1979
1980	75.5 AT 13:00 MST ON JUN 17	70.9 ON JUN 17	9.00E ON OCT 31	367 000	1980
1981	152 AT 17:10 MST ON JUL 30	137 ON JUL 15	6.01 ON MAY 1	552 000	1981
1982	58.5 AT 17:12 MST ON JUL 21	53.6 ON JUL 22	5.45 ON MAY 9	317 000	1982
				361 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER AT DRAPER - STATION NO. 07CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	53.7	43.9	49.1	---	---	---	---	---	---	---	---	---	---	1931
1957	---	---	---	---	---	---	---	---	68.0	89.8	80.7	73.0	---	1957
1958	58.2	47.3	48.8	311	270	129	76.3	71.4	98.8	122	85.9	65.7	115	1958
1959	51.1	46.1	46.8	---	204	212	128	109	230	237	134	96.5	---	1959
1960	76.2	65.9	59.7	159	348	354	317	348	430	212	127	83.0	215	1960
1961	80.8	73.1	70.6	98.3	306	168	162	104	76.4	68.9	60.3	43.4	110	1961
1962	39.3	34.6	41.3	49.9	346	478	467	195	152	145	112	89.2	180	1962
1963	72.9	60.5	57.0	186	290	152	94.5	80.1	88.9	83.7	71.5	49.7	107	1963
1964	43.9	46.1	47.3	80.1	253	163	99.2	114	107	107	73.6	55.6	99.3	1964
1965	51.9	43.5	43.6	87.4	228	203	178	157	188	149	99.7	74.4	126	1965
1966	59.2	47.1	42.4	124	209	259	167	180	166	127	75.2	64.9	127	1966
1967	69.5	64.9	57.6	68.3	348	209	148	130	83.1	79.3	69.9	60.1	116	1967
1968	34.3	33.4	44.5	82.9	131	120	106	82.8	125	169	117	61.6	92.4	1968
1969	63.3	53.6	56.5	253	240	152	83.0	68.3	112	138	74.9	67.7	114	1969
1970	50.0	44.6	39.6	157	212	198	414	190	209	193	118	78.1	159	1970
1971	63.0	55.5	55.9	210	218	130	242	119	80.7	73.3	56.0	49.0	113	1971
1972	41.9	36.4	44.1	72.0	365	146	108	74.6	65.4	95.5	74.1	56.6	98.7	1972
1973	48.5	49.7	49.4	124	156	275	201	336	243	247	152	95.9	165	1973
1974	75.9	63.7	57.3	308	408	310	272	195	159	138	105	84.7	189	1974
1975	73.2	68.1	61.5	122	297	235	327	267	274	225	135	87.8	182	1975
1976	80.1	66.4	54.5	184	151	149	199	176	271	189	102	69.2	141	1976
1977	71.8	65.6	61.9	146	196	245	214	157	133	129	84.0	72.4	132	1977
1978	60.7	57.2	56.9	123	236	179	107	111	225	219	111	82.0	131	1978
1979	69.5	59.4	54.0	68.2	330	274	208	159	207	173	130	120	155	1979
1980	72.4	56.9	51.5	146	109	101	75.9	231	200	156	99.0	58.7	113	1980
1981	49.3	52.9	57.9	117	151	107	115	66.6	48.1	50.0	47.3	39.3	75.0	1981
1982	37.8	29.3	29.7	73.4	249	134	102	119	95.5	79.3	57.9	45.9	88.2	1982
MEAN	59.4	52.5	51.5	140	253	203	184	154	159	142	94.3	70.2	131	MEAN

LOCATION - LAT 56 40 50 N   DRAINAGE AREA, 30 800 km²
LONG 111 15 00 W   NATURAL FLOW

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1957	---	---	---	---	1957
1958	---	566B ON APR 20	46.2B ON FEB 17	3 630 000	1958
1959	---	---	---	---	1959
1960	617 AT 20:00 MST ON JUL 26	612 ON SEP 8	58.9B ON MAR 26	6 800 000	1960
1961	---	425E ON MAY 8	41.6B ON DEC 31	3 460 000	1961
1962	716 AT 13:00 MST ON JUN 12	711 ON JUN 12	32.6B ON FEB 13	5 680 000	1962
1963	---	518 ON APR 29	40.2B ON DEC 16	3 390 000	1963
1964	311 AT 20:00 MST ON MAY 27	309 ON MAY 26	41.9B ON JAN 30	3 140 000	1964
1965	337 AT 18:00 MST ON APR 30	311 ON MAY 1	40.5B ON MAR 1	3 960 000	1965
1966	---	360 ON MAY 24	39.9B ON MAR 13	4 010 000	1966
1967	428B AT 14:00 MST ON MAY 5	405 ON MAY 9	48.1B ON DEC 31	3 660 000	1967
1968	---	219 ON SEP 29	30.3B ON JAN 15	2 920 000	1968
1969	---	566B ON APR 24	51.0B ON FEB 18	3 580 000	1969
1970	728 AT 04:00 MST ON JUL 3 *	708 ON JUL 3	37.4B ON MAR 17	5 030 000	1970
1971	---	521B ON APR 23	40.5B ON DEC 27	3 560 000	1971
1972	---	651E ON MAY 2	34.0B ON FEB 12	3 120 000	1972
1973	580 AT 01:00 MST ON AUG 8	572 ON AUG 8	46.2B ON JAN 7	5 210 000	1973
1974	---	790E ON APR 30 *	54.9B ON FEB 25	5 950 000	1974
1975	450 AT 12:00 MST ON JUL 19	450 ON JUL 19	59.5B ON MAR 26	5 740 000	1975
1976	371 AT 11:10 MST ON SEP 1	371 ON SEP 1	35.1B ON NOV 26	4 450 000	1976
1977	345 AT 23:18 MST ON JUN 2	343 ON JUN 3	55.2B ON NOV 23	4 150 000	1977
1978	317 AT 02:00 MST ON APR 30	311 ON SEP 26	55.2B ON FEB 27	4 130 000	1978
1979	561 AT 12:50 MST ON MAY 16	559 ON MAY 16	52.7B ON MAR 12	4 890 000	1979
1980	375B AT 18:10 MST ON APR 20	332 ON AUG 16	43.4B ON DEC 30	3 580 000	1980
1981	---	196E ON MAY 3	32.6B ON NOV 28	2 370 000	1981
1982	389 AT 06:50 MST ON MAY 2	360 ON MAY 2	26.2B ON FEB 19 *	2 780 000	1982
MEAN				4 130 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	7.87	6.05	4.35	---	1975
1976	4.09	4.21	5.00	8.06	13.2	18.1	25.6	31.5	19.5	10.8	7.03	5.34	12.7	1976
1977	4.43	5.64	4.56	7.17	26.9	34.3	21.9	25.2	18.8	13.1	8.88	5.54	14.7	1977
1978	5.08	5.51	6.19	10.4	22.5	59.6	45.4	29.3	26.4	16.0	8.68	6.76	20.2	1978
1979	5.38	5.23	7.83	9.14	18.8	26.5	23.1	18.6	13.0	9.09	6.43	3.29	12.2	1979
1980	2.66	3.68	4.36	10.8	21.3	59.1	32.0	24.4	19.1	15.1	9.44	8.49	17.5	1980
1981	6.52	5.48	6.29	6.59	40.7	34.5	77.8	56.9	23.8	15.2	10.3	5.82	24.4	1981
1982	3.76	3.53	1.94	7.60	13.9	34.6	44.3	22.7	17.2	12.8	7.89	6.54	14.8	1982
MEAN	4.56	4.75	5.17	8.54	22.5	38.1	38.6	29.8	19.7	12.5	8.09	5.77	16.6	MEAN

LOCATION - LAT 52 15 09 N   DRAINAGE AREA, 2 230 km²
LONG 114 51 14 W   NATURAL FLOW

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	55.8 AT 15:40 MST ON AUG 9	50.7 ON AUG 11	3.20 B ON JAN 7	403 000	1976
1977	61.4 AT 01:00 MST ON JUN 10	56.1 ON JUN 9	3.62 B ON JAN 12	465 000	1977
1978	111 AT 07:30 MST ON JUN 7	106 ON JUN 7	4.50 B ON JAN 1	638 000	1978
1979	50.1 AT 05:30 MST ON MAY 28	45.4 ON MAY 28	1.20 B ON DEC 17	386 000	1979
1980	94.1 AT 00:30 MST ON JUN 18	87.2 ON JUN 5	2.40 B ON JAN 25	554 000	1980
1981	223 AT 15:00 MST ON JUL 31 *	194 ON JUL 31 *	3.00 B ON DEC 31	768 000	1981
1982	77.9 AT 21:12 MST ON JUL 5	73.3 ON JUL 6	0.780B ON APR 7 *	467 000	1982
				526 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	5.38	5.58	6.56	9.57	21.1	39.1	39.9	22.2	17.3	17.1	12.1	5.24	16.8	1914
1915	4.97	5.50	7.03	10.2	45.8	161	167	90.0	45.2	29.0	21.7	13.0	50.3	1915
1916	8.69	8.50	11.3	20.2	35.2	188	82.2	71.2	60.6	32.7	21.3	12.3	39.1	1916
1917	11.6	10.6	10.5	13.7	71.5	78.6	57.7	32.3	28.7	20.8	14.0	7.82	29.9	1917
1918	8.00	6.95	8.23	17.6	23.1	47.8	29.5	27.2	20.1	15.0	9.27	5.17	18.2	1918
1919	6.45	5.20	5.81	11.1	21.5	20.9	21.3	31.4	22.6	14.0	7.41	4.80	14.4	1919
1920	4.05	5.33	5.84	11.5	65.3	51.2	68.1	30.1	18.0	11.8	8.13	5.31	23.8	1920
1921	4.97	5.15	5.08	17.3	31.5	36.0	30.2	23.4	13.1	10.1	7.84	4.55	15.8	1921
1922	4.95	5.43	5.29	14.7	38.7	37.5	29.0	38.8	21.8	14.7	8.09	4.82	18.7	1922
1923	4.27	4.01	5.95	14.2	22.6	165	87.2	77.3	44.5	23.7	15.4	8.59	39.5	1923
1924	7.84	7.13	7.28	16.0	55.1	58.1	49.4	55.9	29.1	19.7	12.2	6.70	27.1	1924
1925	7.81	6.77	5.95	25.9	26.1	59.3	40.0	90.4	74.3	43.7	21.8	10.8	34.5	1925
1926	11.6	11.7	11.7	20.3	16.3	35.3	39.6	28.3	139	51.1	27.6	12.8	33.7	1926
1927	8.97	9.05	9.79	28.1	27.2	66.7	72.5	52.0	46.0	29.3	12.5	5.28	30.7	1927
1928	9.89	9.58	12.9	23.0	20.9	155	98.6	34.8	23.6	16.9	11.7	6.90	35.2	1928
1929	5.88	5.62	6.57	10.3	29.6	69.9	23.5	23.6	17.6	11.0	8.28	6.32	18.2	1929
1930	5.42	6.69	6.34	19.2	28.3	48.2	38.2	25.6	20.6	14.6	9.29	6.38	19.1	1930
1931	5.36	5.96	7.14	10.3	---	---	---	---	---	---	---	---	---	1931
1944	---	---	6.53	11.6	29.4	92.0	56.8	73.9	35.7	25.7	---	---	---	1944
1945	---	---	9.83	13.4	53.9	61.7	47.3	41.0	34.3	32.3	---	---	---	1945
1946	---	---	9.61	19.5	27.0	81.1	48.4	29.7	27.3	19.1	---	---	---	1946
1947	---	---	14.9	20.1	35.9	61.6	48.1	32.0	27.3	22.0	---	---	---	1947
1948	---	---	5.92	17.6	116	77.9	48.3	44.1	24.2	16.8	---	---	---	1948
1949	---	---	5.89	14.6	16.5	19.7	23.4	17.4	12.7	11.1	---	---	---	1949
1950	---	---	3.73	18.3	17.3	45.6	42.8	28.1	15.6	9.98	---	---	---	1950
1951	---	---	5.01	8.72	45.5	48.9	62.8	34.2	46.1	28.6	---	---	---	1951
1952	---	---	10.0	36.1	24.8	111	76.9	49.8	28.8	19.1	---	---	---	1952
1953	---	---	9.61	17.7	40.7	99.0	67.1	41.9	29.3	17.9	12.9	8.83	---	1953
1954	5.40	9.00	6.75	8.74	56.8	92.8	58.4	83.8	83.6	37.1	24.0	19.9	40.7	1954
1955	12.4	8.13	7.75	36.7	45.0	61.4	47.4	24.0	18.6	14.1	8.22	6.33	24.2	1955
1956	5.57	5.00	11.7	16.7	24.8	37.7	37.3	25.1	19.1	12.7	8.90	6.58	17.6	1956
1957	5.05	4.37	5.85	19.1	41.5	35.7	24.8	25.0	23.7	21.1	15.0	10.7	19.4	1957
1958	8.98	6.75	9.48	14.8	39.3	46.3	59.4	29.4	21.6	15.1	10.4	8.80	22.6	1958
1959	7.35	7.70	11.6	12.9	19.9	58.9	48.9	29.9	22.8	19.6	15.5	9.75	22.1	1959
1960	7.68	9.80	12.2	19.3	28.8	36.4	39.6	25.6	16.2	13.2	11.2	7.06	19.0	1960
1961	5.35	5.98	9.96	8.21	29.0	38.5	25.7	29.6	16.5	14.0	6.13	5.20	15.9	1961
1962	6.00	8.63	7.51	18.2	23.8	32.7	36.4	32.0	21.2	14.3	9.65	7.10	18.2	1962
1963	6.37	5.67	8.88	22.5	22.4	48.1	72.5	42.5	28.9	18.9	11.6	7.05	24.7	1963
1964	7.56	9.13	8.39	17.1	56.7	95.7	63.4	24.0	23.2	20.0	17.8	10.3	29.5	1964
1965	5.74	7.78	10.9	21.9	26.0	127	121	46.3	63.0	37.6	23.6	15.6	42.3	1965
1966	10.9	9.85	10.6	15.6	30.2	36.4	63.6	47.6	28.7	21.1	12.9	10.4	25.0	1966
1967	6.68	7.21	7.54	12.9	37.4	74.2	37.0	24.9	16.8	12.6	9.34	6.01	21.1	1967
1968	4.82	5.93	10.3	10.9	17.7	36.8	41.8	35.4	24.3	20.5	16.3	8.21	19.4	1968
1969	8.55	8.41	8.17	16.8	38.2	49.3	97.4	39.6	24.0	17.1	12.8	9.68	27.7	1969
1970	6.60	7.90	7.00	12.3	31.0	70.7	45.6	24.0	16.6	13.1	6.45	7.76	20.8	1970
1971	5.17	5.11	5.17	20.4	26.4	58.5	33.7	23.7	15.3	11.1	8.19	5.39	18.2	1971
1972	5.13	5.70	9.96	14.5	23.6	103	72.9	30.8	32.5	23.8	14.1	10.2	29.5	1972
1973	8.80	6.90	8.74	25.8	51.5	56.6	43.0	29.7	22.4	15.4	11.0	9.35	24.2	1973
1974	7.30	8.13	7.53	19.5	54.5	76.1	51.5	34.1	25.6	21.7	13.5	7.88	27.4	1974
1975	6.48	6.93	6.80	9.17	21.3	27.6	31.6	21.4	---	---	---	---	---	1975
MEAN	7.00	7.12	8.26	17.1	35.4	65.8	54.1	38.4	31.0	20.2	13.0	8.33	25.6	MEAN

LOCATION - LAT 52 20 40 N   DRAINAGE AREA, 3 220 km^2
LONG 114 56 10 W   NATURAL FLOW

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	64.6 ON JUN 8	3.54B ON DEC 17	530 000	1914
1915	---	1 110 ON JUN 27 *	4.53B ON JAN 1	1 590 000	1915
1916	---	221 ON JUN 20	7.33B ON JAN 24	1 240 000	1916
1917	---	174 ON MAY 17	3.79B ON DEC 12	943 000	1917
1918	---	119 ON JUN 15	3.57B ON DEC 22	573 000	1918
1919	---	42.2 ON AUG 9	2.78B ON DEC 10	455 000	1919
1920	---	178 ON MAY 9	3.34B ON JAN 23	755 000	1920
1921	---	56.9 ON JUN 7	1.98B ON DEC 22	499 000	1921
1922	75.3 AT 19:00 MST ON AUG 17	72.5 ON AUG 17	2.55B ON MAR 28	591 000	1922
1923	---	320 ON JUN 2	2.07B ON JAN 27	1 240 000	1923
1924	153 AT 20:00 MST ON MAY 1	115 ON MAY 1	2.29B ON DEC 19	858 000	1924
1925	328 AT 18:00 MST ON AUG 17	274 ON AUG 17	4.11B ON MAR 15	1 090 000	1925
1926	---	233 ON SEP 2	6.37B ON APR 1	1 060 000	1926
1927	117 AT 10:00 MST ON JUL 28	113 ON JUL 28	4.50B ON DEC 29	968 000	1927
1928	267 AT 10:00 MST ON JUN 19	259 ON JUN 19	4.93B ON JAN 1	1 110 000	1928
1929	253 AT 18:00 MST ON JUN 3	230 ON JUN 3	4.64B ON JAN 27	574 000	1929
1930	---	66.3 ON JUN 11	4.81B ON DEC 26	602 000	1930
1931	---	---	2.10B ON JAN 20	---	1931
1944	---	231 ON JUN 15	---	---	1944
1945	---	103 ON JUN 1	---	---	1945
1946	---	144 ON JUN 23	---	---	1946
1947	---	119 ON JUN 28	---	---	1947
1948	---	289 ON MAY 24	---	---	1948
1949	---	46.2 ON JUL 21	---	---	1949
1950	---	137 ON JUN 15	---	---	1950
1951	---	90.6 ON MAY 5	---	---	1951
1952	425 AT 15:00 MST ON JUN 24	411 ON JUN 24	---	---	1952
1953	171 AT 14:00 MST ON JUN 4	167 ON JUN 4	---	---	1953
1954	385 AT 12:00 MST ON AUG 26	357 ON AUG 26	2.94B ON MAR 28	1 280 000	1954
1955	96.3 AT 23:45 MST ON JUN 13	89.5 ON JUN 14	3.14B ON NOV 12	763 000	1955
1956	---	53.8A ON JUN 21	3.99B ON FEB 4	558 000	1956
1957	78.4 AT 18:00 MST ON APR 30	68.5 ON MAY 1	4.25B ON JAN 4	612 000	1957
1958	104 AT 23:00 MST ON JUL 2	98.3 ON JUL 2	2.32B ON DEC 10	714 000	1958
1959	146 AT 06:00 MST ON JUN 28	135 ON JUN 28	3.45B ON JAN 7	698 000	1959
1960	63.7 AT 02:00 MST ON JUL 3	62.0 ON JUL 2	2.27B ON DEC 6	600 000	1960
1961	62.9 AT 06:00 MST ON JUL 3	59.2 ON MAY 28	2.55B ON JAN 30	502 000	1961
1962	62.0 AT 01:00 MST ON MAY 21	55.5 ON MAY 21	2.38B ON JAN 9	574 000	1962
1963	147 AT 03:00 MST ON JUL 17	138 ON JUL 17	1.87B ON DEC 21 *	781 000	1963
1964	189 AT 22:00 MST ON MAY 7	168 ON MAY 7	2.94B ON MAR 25	932 000	1964
1965	524 AT 18:00 MST ON JUN 19 *	385 ON JUN 19	4.45B ON JAN 28	1 330 000	1965
1966	180 AT 19:00 MST ON JUL 4	162 ON JUL 5	3.57B ON DEC 1	787 000	1966
1967	152 AT 03:00 MST ON JUN 1	138 ON JUN 1	3.34B ON JAN 26	664 000	1967
1968	74.2 AT 19:00 MST ON JUL 21	69.4 ON JUL 22	3.11B ON JAN 6	613 000	1968
1969	286 AT 10:20 MST ON JUL 7	274 ON JUL 6	7.79B ON DEC 31	873 000	1969
1970	399 A AT 15:00 MST ON JUN 17	340 A ON JUN 17	3.79B ON NOV 23	655 000	1970
1971	146 AT 07:00 MST ON JUN 7	138 ON JUN 7	4.45B ON MAR 2	575 000	1971
1972	467 AT 08:00 MST ON JUN 26	442 ON JUN 26	4.79B ON JAN 3	932 000	1972
1973	98.8 AT 18:00 MST ON MAY 28	95.4 ON MAY 28	5.66B ON JAN 28	763 000	1973
1974	121 AT 04:30 MST ON JUN 18	115 ON JUN 18	5.66B ON DEC 28	863 000	1974
1975	45.3 AT 16:30 MST ON JUN 26	42.8 ON JUN 27	---	---	1975
				809 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.257	0.163	0.333	0.321	0.054	---	---	---	1965
1966	---	---	0.728	0.188	0.165	0.288	0.494	0.156	0.084	0.125	---	---	0.219	1966
1967	---	---	---	---	---	0.119	0.042	0.030	0.025	0.008	---	---	---	1967
1968	---	---	---	---	0.108	0.142	0.121	0.122	0.095	0.100	---	---	0.115	1968
1969	---	---	---	---	0.061	0.267	0.194	0.055	0.154	0.152	---	---	0.146	1969
1970	---	---	---	---	0.144	0.242	0.206	0.178	0.049	0.035	---	---	0.142	1970
MEAN	---	---	0.728	0.188	0.120	0.219	0.203	0.146	0.121	0.079	---	---	0.156	MEAN

LOCATION - LAT 50 48 55 N, LONG 112 54 18 W

DRAINAGE AREA, 179 km^2, REGULATED

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	1.05 ON JUN 28	0 ON OCT 19 *	---	1965
1966	---	4.39 ON JUL 3 *	0.054E ON OCT 11	3 480	1966
1967	---	---	0 ON AUG 25	---	1967
1968	---	0.620 ON OCT 29	0.013 ON SEP 16	1 820	1968
1969	---	1.95 ON JUN 29	0 ON AUG 18	2 330	1969
1970	---	0.988 ON JUN 14	0 ON SEP 17	2 260	1970
				2 470	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COAL CREEK AT BOW CITY - STATION NO. 05BN014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.299	0.068	0.313	0.061	0.393	0.003	---	---	1965
1966	---	---	--	---	0.006	0.071	0.047	0.121	0.064	0.104	---	---	0.069	1966
1967	---	---	---	0.195	0.402	0.148	0.081	0.122	0.058	0.276	---	---	0.182	1967
1968	---	---	---	---	0.197	0.334	0.214	0.338	0.424	0.388	---	---	0.315	1968
1969	---	---	---	---	0.181	0.323	0.112	0.274	0.187	0.272	---	---	0.225	1969
1970	---	---	---	---	0.185	0.333	0.163	0.253	0.277	0.142	---	---	0.225	1970
1971	---	---	---	---	0.097	0.110	0.124	0.236	0.240	0.111	---	---	0.153	1971
1972	---	---	---	---	0.082	0.169	0.146	0.212	0.185	0.143	---	---	0.156	1972
1973	---	---	---	---	0.100	0.255	0.147	0.212	0.277	0.096	---	---	0.180	1973
1974	---	---	---	---	0.010	0.169	0.146	0.212	0.216	0.167	---	---	0.153	1974
1975	---	---	---	---	0.128	0.109	0.060	0.213	0.297	0.095	---	---	0.150	1975
1976	---	---	---	---	0.082	0.061	0.084	0.123	0.074	0.072	---	---	0.083	1976
1977	---	---	---	---	0.069	0.049	0.148	0.144	0.088	0.016	---	---	0.086	1977
1978	---	---	---	---	0.008	0.033	0.080	0.096	0.020	0.029	---	---	0.045	1978
1979	---	---	---	---	0.024	0.203	0.087	0.472	0.218	0.172	---	---	0.196	1979
1980	---	---	---	---	0.197	0.151	0.323	0.401	0.128	0.100	---	---	0.218	1980
1981	---	---	---	---	0.194	0.327	0.267	0.156	0.094	0.137	---	---	0.196	1981
1982	---	---	---	---	0.124	0.282	0.328	0.223	0.156	0.142	---	---	0.209	1982
MEAN	---	---	---	0.195	0.123	0.190	0.146	0.229	0.170	0.159	0.003	---	0.167	MEAN

LOCATION - LAT 50 25 50 N DRAINAGE AREA, 86.8 km²
LONG 112 13 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1966

COAL CREEK AT BOW CITY - STATION NO. 05BN014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	0.949 ON OCT 21	0 ON JUL 14 *	---	1965
1966	---	0.263 ON AUG 20	0 ON MAY 22	1 100	1966
1967	---	1.93 ON MAY 6	0.003 ON SEP 23	2 890	1967
1968	---	2.33 ON SEP 22 *	0.006 ON SEP 10	5 010	1968
1969	---	0.895 ON MAY 29	0.003 ON AUG 9	3 570	1969
1970	---	1.42 ON JUL 2	0.003 ON JUL 18	3 570	1970
1971	---	0.283 ON OCT 23	0.003 ON JUN 21	2 430	1971
1972	---	0.496 ON SEP 6	0.006E ON MAY 1	2 480	1972
1973	---	0.572 ON JUN 17	0 ON MAY 7	2 870	1973
1974	---	0.436 ON OCT 15	0 ON MAY 11	2 430	1974
1975	---	0.830 ON MAY 7	0 ON MAY 17	2 380	1975
1976	---	0.343 ON AUG 6	0 ON MAY 1	1 320	1976
1977	---	0.297 ON AUG 14	0.002 ON OCT 28	1 370	1977
1978	---	0.515 ON AUG 23	0 ON MAY 21	707	1978
1979	---	0.818 ON AUG 10	0 ON MAY 26	3 110	1979
1980	---	0.657 ON JUL 28	0.002 ON MAY 12	3 460	1980
1981	---	0.750 ON JUN 15	0 ON MAY 1	3 110	1981
1982	---	0.726 ON JUN 7	0 ON MAY 1	3 320	1982
MEAN				2 650	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

COAL CREEK NEAR ORION - STATION NO. 05AF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.069	0.031	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	0.069	0.031	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 15 45 N DRAINAGE AREA, 130 km²
LONG 110 51 10 W NATURAL FLOW

COAL CREEK NEAR ORION - STATION NO. 05AF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.292 ON MAR 22 *	0 ON MAR 1 *	---	1921
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLUMBINE CREEK NEAR GLENDON - STATION NO. 06AA901

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.323	0.003	0.003	0.007	0.010	---	---	---	---	1979
1980	---	---	---	1.32	0.106	0.240	0.103	0.059	0.050	---	---	---	---	1980
1981	---	---	---	0.575	0.027	0.104	0.012	0.001	0.006	---	---	---	---	1981
MEAN	---	---	---	0.948	0.152	0.116	0.039	0.022	0.022	---	---	---	---	MEAN

LOCATION - LAT 54 21 15 N DRAINAGE AREA, 241 km²
LONG 111 08 40 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

COLUMBINE CREEK NEAR GLENDON - STATION NO. 06AA901

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	9.90 AT 21:15 MST ON APR 24 *	9.23 ON APR 24 *	0 ON JUN 1 *	---	1979
1980	---	5.13B ON APR 12	0B ON APR 1	---	1980
1981	4.23 ON MAR 30	3.91B ON MAR 30	0 ON JUN 13	---	1981
MEAN				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 05DF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	---	0.008	---	---	---	1924
1925	---	---	---	0.422	0.106	0.103	0.031	0.012	0.013	0.012	---	---	---	1925
1926	---	---	0.105	0.177	0.075	0.106	0.017	0.016	0.150	0.077	---	---	0.090	1926
1927	---	---	0	0.473	0.952	0.176	0.423	0.107	0.004	---	---	---	---	1927
1928	---	---	---	0.040	0.040	0.022	0.052	0.033	0.009	0.012	---	---	---	1928
1929	---	---	---	0.015	0.049	0.035	0.003	0	---	---	---	---	---	1929
1931	---	---	---	0	0	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.053	0.188	0.204	0.088	0.105	0.034	0.044	0.027	---	---	0.090	MEAN

LOCATION - LAT 53 06 25 N DRAINAGE AREA, 49.0 km²
LONG 113 49 30 W NATURAL FLOW

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 05DF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	1.27 ON APR 12	0B ON APR 1 *	---	1925
1926	---	0.294B ON MAR 17	0B ON MAR 1	1 900	1926
1927	---	1.90 ON MAY 5 *	0B ON MAR 1	---	1927
1928	---	0.076 ON JUL 22	0 ON SEP 20	---	1928
1929	---	0.065 ON APR 28	0B ON APR 1	---	1929
1931	---	---	0 ON APR 1	---	1931
MEAN				1 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONNELLY CREEK NEAR LUNDBRECK - STATION NO. 05AA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	1909
MEAN	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	MEAN

LOCATION - LAT 49 35 50 N DRAINAGE AREA, 51.5 km²
LONG 114 08 15 W NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.329	---	---	---	---	---	---	---	---	---	1975
1976	---	---	0.014	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.016	0.784	0.717	---	---	---	---	---	---	---	---	1977
1978	---	---	0.403	0.265	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0.351	0.931	0.341	0.591	0.532	---	---	---	---	---	---	1979
MEAN	---	---	0.157	0.577	0.529	0.591	0.532	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 02 53 N DRAINAGE AREA, 64.5 km²
LONG 115 02 31 W NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0B ON MAR 1 *	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	5.15 ON JUL 12 *	0B ON FEB 26	---	1979
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.074	0.003	0.003	---	---	---	1972
1973	---	---	0.107	0.606	0.336	0.746	0.088	0.024	0.033	0.091	---	---	0.251	1973
1980	---	---	0.016	2.02	0.156	0.534	0.294	0.344	0.031	0.003	---	---	0.419	1980
1981	---	---	1.08	0.709	0.187	0.079	0.007	0.021	0.001	0.001	---	---	0.260	1981
1982	---	---	0	2.96	0.448	0.170	0.372	0.030	0	0	---	---	0.491	1982
MEAN	---	---	0.301	1.57	0.282	0.382	0.190	0.099	0.014	0.020	---	---	0.355	MEAN

LOCATION - LAT 54 01 23 N DRAINAGE AREA, 165 km^2
LONG 114 56 39 W NATURAL FLOW

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 ON SEP 15 *	---	1972
1973	---	2.40 ON JUN 27	0B ON MAR 1	5 310	1973
1980	5.52 AT 06:00 MST ON APR 11	5.43 ON APR 11	0B ON MAR 1	8 870	1980
1981	4.52 AT 16:00 MST ON MAR 16	4.28B ON MAR 16	0 ON JUL 12	5 500	1981
1982	14.7 AT 08:25 MST ON APR 24 *	14.5 ON APR 24 *	0B ON MAR 1	10 400	1982
				7 520	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.004	---	---	0	---	---	---	---	---	1920
1922	---	---	---	0	0	0	0	0	0	0	0	---	---	1922
MEAN	---	---	---	0	0.002	0	0	0	0	0	0	---	---	MEAN

LOCATION - LAT 53 26 30 N DRAINAGE AREA, 196 km^2
LONG 112 56 20 W NATURAL FLOW

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON AUG 1 *	---	1920
1922	---	0.004 ON APR 15 *	0 ON APR 1	---	1922
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.299	0.455	0.093	0.057	0.065	0.064	---	---	0.171	1982
MEAN	---	---	---	---	0.299	0.455	0.093	0.057	0.065	0.064	---	---	0.171	MEAN

LOCATION - LAT 49 08 35 N
LONG 113 50 50 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	1.85 AT 05:10 MST ON MAY 31 *	1.48 ON MAY 31 *	0.046 ON SEP 9 *	2 720	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 720	MEAN

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.299	0.155	0.159	---	---	---	1923
1924	---	---	0.023	0.302	0.267	1.26	0.194	0.330	0.116	0.152	---	---	0.328	1924
1925	---	---	---	---	0.542	0.422	0.092	0.080	0.131	0.300	---	---	---	1925
1926	---	---	0.106	0.258	0.120	0.165	0.073	0.070	0.269	0.259	---	---	0.164	1926
1927	---	---	0.027	0.601	2.35	2.52	0.497	0.465	0.570	0.953	---	---	0.996	1927
1928	---	---	0.653	0.647	0.678	1.08	1.14	0.296	0.176	0.228	---	---	0.611	1928
1929	---	---	0.167	0.570	1.18	0.791	0.110	0.068	0.106	0.104	---	---	0.385	1929
1930	---	---	0.117	0.652	0.883	0.448	0.135	0.075	0.078	0.124	---	---	0.313	1930
1931	---	---	0.044	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.162	0.505	0.860	0.955	0.320	0.210	0.200	0.285	---	---	0.466	MEAN

LOCATION - LAT 49 08 20 N, LONG 113 51 10 W

DRAINAGE AREA, 34.2 km^2

NATURAL FLOW

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	3.91 ON JUN 7	0.014B ON MAR 1	6 940	1924
1925	---	1.61 ON MAY 24	---	---	1925
1926	---	1.20 ON JUN 21	0.037 ON JUN 10	3 480	1926
1927	---	6.43 ON MAY 29 *	0 B ON MAR 23 *	21 100	1927
1928	---	5.32 ON JUL 1	0.017B ON MAR 1	12 900	1928
1929	---	2.97 ON JUN 2	0 B ON MAR 1	8 160	1929
1930	---	2.35 ON MAY 13	0.008B ON MAR 2	6 630	1930
1931	---	0.122E ON MAR 31	0.014 ON MAR 8	---	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 870	MEAN

B - ICE CONDITIONS
E - ESTIMATED

COW CREEK NEAR COWLEY - STATION NO. 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.352	0.130	0.100	---	---	---	1909
1910	---	---	---	---	---	0.106	0.028	0.010	0.019	0.029	---	---	---	1910
1911	---	---	---	---	0.789	0.426	0.075	0.210	0.300	0.182	---	---	---	1911
1912	---	---	---	---	0.336	0.251	0.234	0.138	0.095	0.101	---	---	---	1912
1913	---	---	---	---	0.570	0.482	0.141	0.061	0.041	0.049	---	---	---	1913
1914	---	---	---	0.484	0.372	0.275	0.121	0.054	0.050	0.110	---	---	---	1914
1915	---	---	---	0.255	0.890	1.05	0.587	0.176	0.100	0.122	---	---	---	1915
1916	---	---	---	0.389	0.557	0.848	0.491	0.156	0.142	0.110	---	---	---	1916
MEAN	---	---	---	0.376	0.586	0.491	0.240	0.145	0.110	0.100	---	---	---	MEAN

LOCATION - LAT 49 39 18 N, LONG 114 09 26 W

DRAINAGE AREA, 82.1 km^2

NATURAL FLOW

COW CREEK NEAR COWLEY - STATION NO. 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	3.99 ON MAY 16 *	---	---	1911
1912	---	1.27 ON APR 11	---	---	1912
1913	---	---	---	---	1913
1914	---	1.27 ON APR 12	---	---	1914
1915	---	3.62 ON JUN 26	---	---	1915
1916	---	1.81 ON JUL 2	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	0.001R	0.017R	0 R	0.001R	---	---	---	1981
1982	---	---	0	0.899	0.136	0.008	0.225	0.001	0.003	0.001	---	---	0.157	1982
MEAN	---	---	0	0.899	0.136	0.008	0.113R	0.009R	0.002R	0.001R	---	---	0.157	MEAN

LOCATION - LAT 53 52 22 N LONG 114 40 10 W
DRAINAGE AREA, 57.8 km²
NATURAL FLOW

R - REVISED SINCE JAN 1988

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	6.37 AT 16:40 MST ON APR 23 *	5.99 ON APR 23 *	0B ON MAR 1 *	3 330	1982
MEAN				3 330	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.033	0.018	0.411	0.553	---	---	---	1910
1911	---	---	---	---	---	1.02	0.432	1.25	2.85	0.614	---	---	---	1911
1912	---	---	---	0.877	0.854	0.402	0.638	0.151	---	---	0.284	---	---	1912
1913	---	---	---	---	---	1.02	0.404	0.293	0.129	0.293	---	---	---	1913
1914	---	---	---	---	0.989	0.751	0.245	0.132	0.171	0.843	---	---	---	1914
1915	---	---	---	0.506	1.30	2.56	1.72	1.24	1.07	---	---	---	---	1915
1916	---	---	---	1.25	1.52	2.58	1.51	0.273	0.271	0.267	---	---	---	1916
1917	---	---	---	---	2.95	2.67	0.405	0.086	0.091	0.087	---	---	---	1917
1918	---	---	---	---	0.815	0.477	0.107	0.084	0.140	0.121	---	---	---	1918
1919	---	---	0.005	0.350	0.426	0.282	0.053	0.006	0.001	0.023	---	---	---	1919
1920	---	---	0.158	0.575	1.91	1.17	0.496	0.089	0.030	0.047	---	---	---	1920
1921	---	---	---	0.648	0.981	0.852	0.206	0.023	0.021	0.066	---	---	---	1921
1922	---	---	0.026	0.653	1.51	0.998	0.388	0.083	0.016	0.010	---	---	---	1922
1923	---	---	---	0.632	0.717	2.21	0.350	0.421	0.065	0.152	---	---	---	1923
1924	---	---	0.061	0.492	0.626	2.51	0.243	0.297	0.068	0.130	---	---	---	1924
MEAN	---	---	0.063	0.665	1.22	1.39	0.482	0.296	0.381	0.247	0.284	---	---	MEAN

LOCATION - LAT 49 07 45 N LONG 113 48 40 W
DRAINAGE AREA, 49.0 km²
NATURAL FLOW

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.60 ON JUN 28	---	---	1913
1914	---	2.18 ON OCT 16	---	---	1914
1915	---	10.5 ON AUG 20 *	---	---	1915
1916	---	6.68 ON APR 2	---	---	1916
1917	---	5.66 E ON MAY 25	---	---	1917
1918	---	0.963 ON MAY 16	---	---	1918
1919	---	1.02 ON MAY 9	0 ON AUG 21	---	1919
1920	---	4.02 ON MAY 13	---	---	1920
1921	---	2.58 ON JUN 2	0 ON SEP 1	---	1921
1922	---	2.72 ON MAY 30	0B ON MAR 1	---	1922
1923	---	6.94 ON JUN 22	---	---	1923
1924	---	8.58 ON JUN 8	---	---	1924
MEAN				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.35	1.81	3.00	---	---	---	---	1951
1952	---	---	---	---	---	3.09	2.10	1.92	2.21	1.07	---	---	---	1952
1953	---	---	---	---	0.949	10.5	2.25	2.09	2.41	0.995	---	---	---	1953
1954	---	---	---	---	1.12	2.15	2.09	2.50	2.84	0.824	---	---	---	1954
1955	---	---	---	---	1.26	1.72	2.00	1.80	2.34	0.606	---	---	---	1955
1956	---	---	---	---	0.568	2.69	2.19	1.97	1.73	0.559	---	---	---	1956
1957	---	---	---	---	1.10	1.90	1.73	2.24	1.68	0.630	---	---	---	1957
1958	---	---	---	---	0.668	1.71	1.70	1.25	1.29	0.525	---	---	---	1958
1959	---	---	---	---	0.438	1.59	1.70	1.53	1.35	0.521	---	---	---	1959
1960	---	---	---	---	0.740	1.22	1.09	1.15	1.53	0.298	---	---	---	1960
1961	---	---	---	---	0.858	1.07	1.12	1.29	1.16	0.385	---	---	---	1961
1962	---	---	---	---	0.738	1.27	1.79	1.89	2.04	0.691	0.020	0.006	---	1962
1963	0	---	---	---	0.710	1.61	1.40	1.13	1.14	0.545	0.030	0.004	---	1963
1964	0	0	0.003	0.278	0.549	2.34	0.991	1.28	1.79	0.698	0.054	0.009	0.985	1964
1965	0	0	2.55	6.07	1.01	2.13	2.19	1.50	1.35	0.323	0.025	0.020	2.13	1965
1966	0	0	6.98	1.98	0.590	1.27	6.21	0.975	1.11	0.642	0.023	0.027	2.48	1966
1967	0.025	0.012	0.070	14.9	2.28	0.830	0.849	1.13	1.11	0.729	0.044	0.016	2.70	1967
1968	0.003	0.012	0.315	0.267	1.08	1.67	1.51	1.14	1.29	0.480	0.059	0.010	0.969	1968
1969	0	0	0.056	13.1	0.424	1.10	1.06	0.799	0.904	0.290	---	---	2.18	1969
1970	---	---	2.28	0.843	0.575	2.09	1.63	0.827	1.06	0.549	---	---	1.23	1970
1971	---	---	1.01	19.7	0.547	1.22	1.17	0.900	0.917	0.271	---	---	3.17	1971
1972	---	---	1.48	0.579	0.719	1.21	1.00	1.16	1.04	0.440	---	---	0.953	1972
1973	---	---	3.06	1.65	0.732	1.82	0.868	1.26	1.19	0.244	---	---	1.35	1973
1974	---	---	0.015	10.5	1.50	1.09	1.11	0.906	1.01	0.201	---	---	2.02	1974
1975	---	---	0	1.78	2.50	1.09	1.12	1.41	1.53	0.435	---	---	1.23	1975
1976	---	---	2.64	1.77	0.639	1.33	0.720	1.98	1.42	0.400	---	---	1.36	1976
1977	---	---	0.125	0.153	0.778	0.781	0.733	1.12	1.06	0.312	---	---	0.633	1977
1978	---	---	0.425	2.43	1.24	1.73	0.709	1.38	1.95	0.397	---	---	1.27	1978
1979	---	---	0.670	0.190	0.236	0.658	0.771	1.52	0.954	0.147	---	---	0.643	1979
1980	---	---	0.159	8.36	0.750	1.91	1.32	1.75	1.51	0.363	0.036	---	1.99	1980
1981	---	---	0.225	0.182	1.83	1.41	2.38	0.967	0.895	0.350	---	---	1.03	1981
1982	---	---	1.26	2.58	0.455	0.846	1.96	0.965	1.25	0.375	---	---	1.21	1982
MEAN	0.004	0.004	1.23	4.60	0.919	1.84	1.62	1.42	1.50	0.493	0.036	0.013	1.55	MEAN

LOCATION - LAT 50 50 00 N DRAINAGE AREA, 1 360 km²
LONG 112 45 40 W REGULATED SINCE 1914

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	11.2 AT 20:00 MST ON JUN 27	10.6 ON JUN 21	0 B ON MAR 1 *	20 900	1964
1965	---	30.9 B ON APR 7	0 B ON MAR 26	45 000	1965
1966	52.1 E ON JUL 3	39.6 E ON JUL 3	0 B ON MAR 1	52 500	1966
1967	85.5 B AT 19:00 MST ON APR 13	58.3 B ON APR 13	0 B ON MAR 6	57 100	1967
1968	4.76 AT 14:46 MST ON SEP 25	4.50 ON SEP 25	0.074 ON OCT 30	20 500	1968
1969	---	88.6 B ON APR 6 *	0 B ON MAR 1	46 200	1969
1970	23.9 B AT 07:50 MST ON MAR 25	14.6 B ON MAR 25	0 B ON MAR 1	26 000	1970
1971	106 AT 01:30 MST ON APR 8 *	81.3 ON APR 8	0.003B ON MAR 1	67 100	1971
1972	---	7.19B ON MAR 26	0 B ON MAR 1	20 200	1972
1973	16.8 B AT 11:00 MST ON MAR 25	13.8 B ON MAR 25	0.028B ON MAR 1	28 600	1973
1974	85.5 B AT 07:30 MST ON APR 12	62.3 B ON APR 12	0.003B ON MAR 7	42 700	1974
1975	19.3 B AT 14:30 MST ON APR 23	16.5 B ON APR 23	0 B ON MAR 1	26 000	1975
1976	---	11.1 B ON APR 1	0.028B ON MAR 1	28 800	1976
1977	2.00 AT 12:00 MST ON JUN 1	1.91 ON JUN 1	0 ON APR 29	13 400	1977
1978	20.3 B AT 15:00 MST ON APR 1	16.8 B ON APR 1	0.003B ON MAR 1	26 900	1978
1979	2.67B AT 06:00 MST ON MAR 12	2.50B ON MAR 12	0 B ON MAR 1	13 600	1979
1980	79.0 AT 22:30 MST ON APR 13	58.6 ON APR 14	0 B ON MAR 1	42 200	1980
1981	4.84 AT 03:30 MST ON JUL 25	4.62 ON JUL 25	0.021 ON OCT 23	21 800	1981
1982	15.1 B AT 22:59 MST ON MAR 31	12.1 B ON APR 1	0 B ON MAR 1	25 500	1982
MEAN				32 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	3.08	3.18	5.95	---	---	---	1910
1911	1.42	1.31	1.65	6.33	18.2	24.2	8.41	6.22	8.67	3.96	1.94	1.79	7.02	1911
1912	1.30	1.17	1.05	5.50	11.1	10.5	10.2	4.45	2.70	2.12	2.14	1.53	4.49	1912
1913	1.49	1.17	1.01	7.14	13.3	16.3	7.39	5.04	3.41	3.13	2.40	1.45	5.28	1913
1914	1.82	1.38	1.48	6.75	13.7	11.1	6.68	3.96	3.50	6.21	4.81	2.77	5.37	1914
1915	1.91	1.51	1.48	6.65	15.8	12.7	9.40	4.89	2.68	2.96	2.33	1.54	5.35	1915
1916	1.53	1.77	2.93	8.44	14.0	25.6	14.8	5.09	3.46	2.27	1.65	1.35	6.91	1916
1917	1.28	1.24	1.05	1.18	18.8	17.9	6.81	3.51	2.41	1.69	1.35	1.10	4.88	1917
1918	1.63	1.17	1.33	6.68	12.4	13.9	4.86	2.99	2.29	2.51	1.84	1.41	4.42	1918
1919	1.59	1.23	1.30	6.15	15.1	10.5	4.46	1.94	1.46	1.34	1.12	0.738	3.92	1919
1920	0.844	0.975	0.987	---	---	---	---	---	---	---	---	---	---	1920
1949	---	---	---	---	---	8.66	2.25	1.67	1.88	1.58	---	---	---	1949
1950	---	---	1.41	3.49	17.5	20.2	9.33	3.59	2.31	2.73	---	---	---	1950
1951	---	---	---	8.27	29.6	16.7	11.9	6.41	8.84	7.42	---	---	---	1951
1952	---	---	1.72	10.8	12.1	9.50	5.78	3.28	2.17	1.65	---	---	---	1952
1953	---	---	1.13	2.81	17.1	31.5	10.6	4.61	2.96	2.29	---	---	---	1953
1954	---	---	1.10	2.41	26.8	24.1	12.1	5.36	4.26	3.45	---	---	---	1954
1955	---	---	1.43	2.08	10.0	17.2	8.82	3.63	2.41	2.79	---	---	---	1955
1956	---	---	1.93	5.21	24.5	17.5	9.57	4.14	2.65	2.39	---	---	---	1956
1957	---	---	1.53	2.98	19.3	9.56	4.28	2.34	1.84	1.93	---	---	---	1957
1958	---	---	1.25	2.04	16.8	9.55	6.22	2.96	2.10	1.97	---	---	---	1958
1959	---	---	1.25	5.07	20.0	23.6	10.1	4.66	4.78	4.41	---	---	---	1959
1960	---	---	2.54	5.95	11.9	12.7	5.94	3.74	2.44	1.71	---	---	---	1960
1961	---	---	1.33	2.29	22.1	19.1	6.00	3.17	2.51	3.19	---	---	---	1961
1962	---	---	1.26	5.96	10.4	10.9	4.95	2.81	2.24	1.94	---	---	---	1962
1963	---	---	1.38	2.33	8.66	13.0	13.1	3.79	2.89	2.49	---	---	---	1963
1964	---	---	1.27	2.33	16.7	22.5	8.35	3.88	2.82	2.49	1.83	1.34	---	1964
1965	1.27	1.25	1.41	4.15	13.8	20.5	9.26	5.47	4.15	3.36	2.03	1.40	5.69	1965
1966	1.28	1.30	1.97	5.23	16.9	15.4	7.07	4.02	2.97	2.10	1.79	1.41	5.15	1966
1967	1.15	1.24	1.30	2.04	18.9	28.7	10.3	4.03	2.50	2.01	1.92	1.65	6.32	1967
1968	1.55	1.40	1.55	1.88	14.8	16.4	6.91	3.92	3.44	3.68	2.46	1.79	4.99	1968
1969	1.92	1.42	1.46	7.77	15.0	16.2	9.51	3.34	2.21	1.82	1.37	1.09	5.27	1969
1970	1.02	0.969	0.885	0.929	11.5	14.0	5.43	2.51	2.08	1.89	1.37	1.45	3.69	1970
1971	1.08	1.40	1.09	3.40	22.2	17.5	7.78	3.56	2.79	2.32	1.88	1.49	5.56	1971
1972	1.28	1.23	3.38	4.97	28.3	27.6	9.66	5.87	3.60	2.83	2.31	1.99	7.76	1972
1973	1.47	1.38	1.39	1.78	9.95	10.4	4.37	2.51	1.93	1.33	1.27	1.09	3.25	1973
1974	1.68	1.26	1.48	5.34	22.5	28.3	10.6	5.14	3.20	2.26	1.79	1.52	7.11	1974
1975	1.26	1.05	1.10	1.60	14.1	24.1	11.4	4.70	3.19	2.51	2.65	3.68	5.96	1975
1976	2.35	1.75	1.63	4.91	16.0	9.49	6.95	12.2	4.35	3.08	2.33	1.44	5.56	1976
1977	1.39	1.31	1.26	2.44	5.05	4.70	2.41	2.61	2.79	1.93	1.50	1.39	2.40	1977
1978	0.882	0.955	1.27	2.85	13.1	12.7	9.45	3.99	3.05	2.34	2.01	1.60	4.54	1978
1979	1.10	1.05	1.24	2.16	14.6	11.5	4.56	2.55	1.89	1.48	1.11	1.23	3.72	1979
1980	1.10	1.08	1.06	4.85	13.0	9.48	4.17	2.47	2.49	1.92	1.60	2.03	3.78	1980
1981	2.13	1.79	1.70	3.74	21.5	15.6	8.91	4.21	2.39	2.02	1.49	1.52	5.61	1981
1982	1.13	1.45	1.24	1.91	9.42	12.5	6.32	3.01	2.26	2.24	1.69	1.40	3.72	1982
MEAN	1.42	1.29	1.46	4.30	16.1	16.4	7.85	4.03	3.05	2.67	1.93	1.58	5.10	MEAN

LOCATION - LAT 49 35 49 N   DRAINAGE AREA, 402 km^2
LONG 114 24 33 W   NATURAL FLOW

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	39.4 ON JUN 2	1.02 ON NOV 13	221 000	1911
1912	---	20.1 ON JUN 16	0.934 ON FEB 19	142 000	1912
1913	---	25.1 ON MAY 29	0.765 ON MAR 19	167 000	1913
1914	---	17.4 ON MAY 3	1.19 ON MAR 6	169 000	1914
1915	---	34.8 ON MAY 2	0.934 ON DEC 18	169 000	1915
1916	---	47.6 ON JUN 20	1.08 ON FEB 8	218 000	1916
1917	---	46.4 ON MAY 15	0.595 ON MAR 29 *	154 000	1917
1918	---	24.4 ON JUN 11	0.963 ON DEC 25	139 000	1918
1919	---	25.5 ON MAY 29	0.595 ON DEC 10	124 000	1919
1920	---	1.64 ON FEB 1	0.680 ON JAN 22	---	1920
1949	---	---	---	---	1949
1950	29.7 AT 23:00 MST ON MAY 27	28.6 ON MAY 22	---	---	1950
1951	47.0 AT 17:00 MST ON MAY 14	44.7 ON MAY 14	---	---	1951
1952	27.1 AT 22:00 MST ON APR 26	25.7 ON APR 27	---	---	1952
1953	73.9 AT 00:30 MST ON JUN 9 *	65.7 ON JUN 9 *	---	---	1953
1954	65.1 AT 23:00 MST ON MAY 19	58.9 ON MAY 20	---	---	1954
1955	25.8 AT 23:00 MST ON MAY 19	22.7 ON JUN 13	---	---	1955
1956	57.2 AT 22:00 MST ON MAY 20	54.1 ON MAY 21	---	---	1956
1957	31.7 AT 20:00 MST ON MAY 5	28.6 ON MAY 5	---	---	1957
1958	30.6 AT 20:00 MST ON MAY 12	25.9 ON MAY 13	---	---	1958
1959	37.1 AT 20:00 MST ON JUN 5	36.0 ON JUN 5	---	---	1959
1960	25.2 AT 02:00 MST ON MAY 13	24.0 ON MAY 13	---	---	1960
1961	62.9 AT 01:00 MST ON MAY 27	58.0 ON MAY 27	---	---	1961
1962	17.0 AT 23:00 MST ON APR 24	15.5 ON MAY 24	---	---	1962
1963	29.2 AT 16:00 MST ON JUN 30	28.6 ON JUN 30	---	---	1963
1964	50.4 AT 20:00 MST ON JUN 7	47.6 ON JUN 8	---	---	1964
1965	70.8 AT 01:00 MST ON JUN 18	59.7 ON JUN 18	0.793B ON JAN 7	179 000	1965
1966	30.9 AT 22:00 MST ON MAY 11	27.2 ON JUN 5	1.25 B ON DEC 31	162 000	1966
1967	---	47.0 ON MAY 31	1.12 B ON JAN 11	199 000	1967
1968	---	48.7 ON MAY 23	1.16 B ON DEC 29	158 000	1968
1969	29.7 AT 09:00 MST ON JUN 26	28.9 ON JUN 29	1.03 B ON DEC 17	166 000	1969
1970	20.5 AT 22:30 MST ON MAY 23	19.7 E ON MAY 24	0.694B ON APR 4	116 000	1970
1971	35.1 AT 20:00 MST ON MAY 27	34.0 ON MAY 28	0.895B ON JAN 7	175 000	1971
1972	62.6 AT 21:40 MST ON MAY 31	59.7 ON JUN 1	1.20 B ON JAN 20	245 000	1972
1973	21.3 AT 23:00 MST ON JUN 8	19.5 ON MAY 18	0.852B ON DEC 24	103 000	1973
1974	40.8 AT 21:00 MST ON MAY 26	38.8 A ON JUN 17	1.02 B ON JAN 1	224 000	1974
1975	---	48.7 ON JUN 20	0.881B ON FEB 26	188 000	1975
1976	33.7 AT 15:00 MST ON AUG 8	27.7 ON AUG 9	0.994B ON DEC 29	176 000	1976
1977	7.79 AT 08:30 MST ON MAY 11	7.36 ON MAY 11	1.09 B ON DEC 20	75 800	1977
1978	22.3 AT 06:30 MST ON JUN 6	21.9 ON JUN 6	0.668B ON JAN 10	143 000	1978
1979	33.2 AT 01:30 MST ON MAY 27	30.1 ON MAY 27	0.738B ON NOV 30	117 000	1979
1980	23.6 AT 04:25 MST ON APR 30	21.7 ON APR 30	0.847B ON FEB 16	120 000	1980
1981	43.1 AT 23:40 MST ON MAY 25	41.6 ON MAY 26	1.03 ON NOV 28	177 000	1981
1982	---	16.8 E ON MAY 26	1.02 B ON JAN 21	117 000	1982
				161 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	2.72	2.61	3.34	---	---	---	1910
1911	---	---	---	1.76	7.18	13.5	6.57	4.04	4.37	1.96	2.51	0.966	---	1911
1912	1.05	0.894	0.846	1.34	3.62	5.28	5.37	2.78	2.00	1.62	1.77	1.15	2.31	1912
1913	0.793	0.685	0.701	1.85	4.46	9.33	5.42	4.24	2.70	2.50	2.01	1.69	3.04	1913
1914	1.21	0.934	1.25	2.88	8.05	7.38	5.72	3.09	2.48	3.65	2.79	1.67	3.44	1914
1915	1.25	0.934	1.08	2.17	6.76	7.25	6.07	3.56	2.03	1.98	1.80	1.31	3.03	1915
1916	0.876	1.63	1.33	2.08	4.82	12.6	9.32	4.26	2.92	1.61	1.01	0.883	3.61	1916
1917	0.869	0.772	0.793	0.726	6.01	9.74	6.22	3.77	1.83	1.26	1.06	0.799	2.83	1917
1918	1.06	0.688	0.749	1.83	4.98	9.56	3.73	2.23	1.80	1.44	1.17	1.26	2.54	1918
1919	1.26	1.11	1.00	1.97	7.20	6.09	3.78	1.74	1.16	1.14	0.868	0.602	2.33	1919
1920	0.761	0.742	0.715	---	---	---	---	---	---	---	---	---	---	1920
MEAN	1.01	0.932	0.940	1.85	5.90	8.97	5.80	3.24	2.39	2.05	1.67	1.15	2.89	MEAN

LOCATION - LAT 49 37 50 N DRAINAGE AREA, 177 km^2
LONG 114 33 53 W REGULATED

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	19.0 ON JUN 3	---	---	1911
1912	---	8.01 ON JUN 17	0.736B ON MAR 25	73 200	1912
1913	---	11.0 ON JUN 13	0.623B ON FEB 5	95 900	1913
1914	---	10.6 ON MAY 21	0.793B ON FEB 20	108 000	1914
1915	---	10.4 ON MAY 10	0.821B ON FEB 19	95 600	1915
1916	---	20.5 ON JUN 21	0.680B ON NOV 19	114 000	1916
1917	---	19.6 ON MAY 28	0.445 ON APR 20	89 300	1917
1918	---	22.0 ON JUN 9 *	0.453B ON JAN 30	80 200	1918
1919	---	13.0 ON MAY 28	0.159B ON DEC 14 *	73 600	1919
1920	---	1.25B ON FEB 20	0.328B ON JAN 22	---	1920
				91 200	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	4.23	---	---	---	1908
1909	---	---	---	---	24.0	40.5	22.2	11.2	5.30	4.05	4.96	---	---	1909
1910	---	---	---	12.6	16.5	12.7	6.95	3.90	3.80	6.20	---	---	---	1910
1911	2.41	2.57	3.15	9.97	27.7	28.2	10.9	9.77	15.8	7.28	4.96	2.24	10.4	1911
1912	2.76	2.44	2.75	9.17	15.0	13.2	13.8	6.77	4.29	3.74	4.11	2.97	6.76	1912
1913	2.20	1.94	2.17	11.6	20.0	20.3	9.35	6.80	4.65	4.20	3.40	2.90	7.48	1913
1914	2.38	2.05	2.59	9.42	17.1	12.4	7.68	5.02	4.78	8.78	6.36	3.49	6.86	1914
1915	3.70	2.23	2.68	8.68	24.4	17.0	13.0	7.11	4.55	4.53	3.85	2.60	7.90	1915
1916	1.74	4.07	7.01	11.4	20.1	31.6	18.8	7.66	5.42	4.12	3.04	1.63	9.72	1916
1917	2.04	1.97	1.48	2.87	23.7	26.2	10.7	5.41	3.74	2.79	2.38	2.04	7.13	1917
1918	3.05	1.48	2.64	11.3	16.8	16.0	6.86	4.81	4.39	3.46	3.23	2.33	6.37	1918
1919	2.27	1.67	2.96	9.56	18.5	12.2	6.32	3.30	2.51	2.59	2.44	1.25	5.49	1919
1920	1.18	1.48	2.05	5.47	22.2	20.3	12.0	4.49	2.94	3.34	2.18	1.60	6.62	1920
1921	2.01	2.66	2.80	6.65	19.5	17.0	7.35	4.10	3.01	2.95	2.63	1.87	6.06	1921
1922	1.77	1.53	1.89	3.66	18.4	14.5	6.02	3.43	2.69	2.32	1.84	1.48	4.98	1922
1923	1.61	1.38	1.68	6.68	24.2	51.4	15.2	6.48	4.08	3.03	2.38	2.03	10.0	1923
1924	1.77	2.19	1.71	3.16	10.4	15.3	7.66	5.40	3.30	2.93	2.38	2.27	4.88	1924
1925	2.21	1.95	2.39	16.3	21.5	12.8	5.53	3.69	3.28	2.87	2.40	2.04	6.42	1925
1926	1.41	1.43	1.42	4.67	4.28	4.85	3.55	2.44	9.62	9.99	4.50	3.29	4.29	1926
1927	2.54	2.49	3.05	8.32	23.7	29.4	13.3	6.62	12.5	8.47	5.98	5.35	10.2	1927
1928	4.26	3.98	5.64	9.52	26.7	17.9	18.9	6.31	5.28	8.73	4.49	3.58	9.64	1928
1929	2.41	2.29	4.24	4.54	17.9	24.8	7.06	3.56	3.04	2.50	2.19	2.36	6.42	1929
1930	1.72	2.47	2.27	11.1	16.2	16.1	7.22	3.71	3.00	2.75	2.25	1.81	5.88	1930
1931	1.59	2.08	1.72	2.37	---	---	---	---	---	---	---	---	---	1931
MEAN	2.24	2.21	2.78	8.14	19.5	20.7	10.5	5.54	5.09	4.60	3.43	2.46	7.18	MEAN

LOCATION - LAT 49 35 40 N   DRAINAGE AREA, 676 km²
LONG 114 10 15 W   NATURAL FLOW

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	1908
1909	---	75.6 ON JUL 28	---	---	1909
1910	---	23.8 ON APR 27	---	---	1910
1911	---	69.7 ON MAY 16	1.61 B ON DEC 19	329 000	1911
1912	---	25.9 ON JUN 16	1.93 B ON DEC 10	214 000	1912
1913	---	34.5 ON MAY 28	1.70 B ON FEB 5	236 000	1913
1914	---	24.2 ON MAY 3	1.84 B ON FEB 18	216 000	1914
1915	---	41.6 ON MAY 2	1.47 B ON DEC 31	249 000	1915
1916	---	53.0 ON JUN 22	1.25 B ON DEC 15	307 000	1916
1917	---	42.2 ON MAY 16	1.13 B ON MAR 21	225 000	1917
1918	---	30.6 ON MAY 4	1.27 B ON FEB 19	201 000	1918
1919	---	28.2 ON MAY 29	0.623B ON DEC 10	173 000	1919
1920	---	37.1 ON MAY 12	0.538B ON JAN 20 *	209 000	1920
1921	---	27.8 ON MAY 23	0.963B ON MAR 11	191 000	1921
1922	---	31.4 ON MAY 18	1.19 B ON DEC 15	157 000	1922
1923	---	143 ON JUN 1 *	1.25 B ON FEB 12	316 000	1923
1924	---	20.5 ON JUN 23	1.35 B ON MAR 17	154 000	1924
1925	---	31.1 ON MAY 22	1.42 B ON DEC 30	203 000	1925
1926	---	15.0 ON SEP 9	1.40 B ON JAN 8	135 000	1926
1927	---	48.7 ON JUN 11	2.01 B ON JAN 21	320 000	1927
1928	---	41.9 ON JUL 2	2.83 B ON DEC 30	305 000	1928
1929	---	66.8 ON JUN 3	1.78 B ON NOV 21	202 000	1929
1930	---	23.1 ON JUN 9	1.42 B ON DEC 31	185 000	1930
1931	---	---	---	---	1931
				226 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	3.30	2.10	1.35	1.26	1.15	---	---	---	1970
1971	---	---	---	---	15.9	34.7	31.1	2.59	3.47	5.89	---	---	15.6	1971
1972	---	---	---	---	18.7	38.4	7.47	6.39	4.54	16.3	---	---	15.2	1972
1973	---	---	---	---	19.4	6.64	2.47	3.28	2.30	2.97	---	---	6.19	1973
1974	---	---	---	---	37.4	10.8	3.31	1.73	1.84	1.62	---	---	9.50	1974
1975	---	---	---	---	11.6	12.0	16.1	2.40	1.80	1.42	---	---	7.55	1975
1976	---	---	---	---	19.6	11.0	9.15	21.9	6.46	2.96	---	---	11.9	1976
1977	---	---	---	---	29.6	10.7	16.9	6.05	6.63	10.2	---	---	13.4	1977
1978	---	---	---	---	11.6	8.97	8.64	4.49	11.7	3.77	---	---	8.17	1978
1979	---	---	---	---	24.1	13.6	7.28	1.98	1.77	1.38	---	---	8.36	1979
1980	---	---	---	---	5.19	39.1	9.23	5.92	10.8	3.77	---	---	12.2	1980
1981	---	---	---	---	10.5	6.90	7.48	4.25	1.32	1.29	---	---	5.30	1981
1982	---	---	---	---	23.6	6.82	38.0	20.5	5.40	4.19	---	---	16.5	1982
MEAN	---	---	---	---	18.9	15.6	12.2	6.37	4.56	4.38	---	---	10.8	MEAN

LOCATION - LAT 54 31 20 N
LONG 118 56 00 W

DRAINAGE AREA, 916 km²
NATURAL FLOW

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	198 ON JUL 11	1.35 B ON OCT 27	248 000	1971
1972	765 A AT 15:00 MST ON JUN 12	464 A ON JUN 12	2.39 ON SEP 4	242 000	1972
1973	41.3 AT 23:30 MST ON MAY 4	36.2 ON MAY 5	0.878 ON AUG 15	98 400	1973
1974	53.5 AT 02:00 MST ON MAY 11	51.3E ON MAY 1	1.03 ON SEP 4	151 000	1974
1975	127 AT 23:00 MST ON JUN 28	90.3E ON JUN 29	1.01 ON OCT 4	120 000	1975
1976	106 AT 02:00 MST ON JUL 2	73.3 ON AUG 17	2.34 ON OCT 24	189 000	1976
1977	227 A AT 03:00 MST ON MAY 6	159 A ON MAY 6	3.14 ON SEP 14	213 000	1977
1978	78.7 AT 17:00 MST ON SEP 18	45.0 ON SEP 18	2.31 ON AUG 10	130 000	1978
1979	87.1 AT 10:30 MST ON MAY 16	66.0 ON MAY 16	0.824 ON OCT 6 *	133 000	1979
1980	274 AT 10:00 MST ON JUN 4	249 E ON JUN 4	2.18 ON AUG 5	194 000	1980
1981	89.5 AT 22:30 MST ON JUL 29	59.2 ON JUL 30	0.968 ON SEP 19	84 200	1981
1982	800 AT 19:00 MST ON JUL 15 *	506 A ON JUL 15 *	3.00 E ON JUL 2	263 000	1982
MEAN				172 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.032	1.04	0.533	0.575	0.723	0.442	0.488	0.763	---	---	0.572	1973
1974	---	---	0	10.2	9.03	0.595	0.345	0.176	0.214	0.080	---	---	2.57	1974
1975	---	---	0	0.647	0.957	0.380	0.994	0.853	1.22	0.890	---	---	0.743	1975
1976	---	---	0.196	3.43	0.711	0.028	0.022	0.006	0.009	0.230	---	---	0.572	1976
1977	---	---	0.019	2.68	0.716	1.28	0.864	0.474	0.333	0.853	---	---	0.896	1977
1978	---	---	0.176	3.62	1.61	0.928	0.343	0.305	2.14	2.80	---	---	1.48	1978
1979	---	---	0.230	5.65	6.13	1.41	4.69	1.79	0.591	0.231	---	---	2.59	1979
1980	---	---	0.010	0.761	0.108	0.016	0.133	0.412	0.452	0.387	---	---	0.284	1980
1981	---	---	0.513	4.86	1.15	0.294	0.529	0.637	0.157	0.283	---	---	1.04	1981
1982	---	---	0.016	3.12	2.67	0.353	0.077	0.032	0.011	0.001	---	---	0.780	1982
MEAN	---	---	0.119	3.60	2.36	0.586	0.872	0.513	0.562	0.652	---	---	1.15	MEAN

LOCATION - LAT 54 18 30 N
LONG 113 50 55 W

DRAINAGE AREA, 563 km²
NATURAL FLOW

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.77 ON APR 10	0 B ON MAR 1 *	12 100	1973
1974	---	28.6 ON APR 25 *	0 B ON MAR 1	54 300	1974
1975	---	2.12 ON APR 27	0 B ON MAR 1	15 700	1975
1976	---	5.52B ON APR 6	0 ON AUG 11	12 100	1976
1977	---	9.77B ON APR 10	0.014B ON MAR 14	19 000	1977
1978	---	4.90B ON APR 6	0.068B ON MAR 12	31 300	1978
1979	---	16.0 ON APR 24	0.106 ON OCT 13	54 900	1979
1980	---	1.50 ON APR 12	0 ON MAY 18	6 000	1980
1981	---	9.77B ON APR 3	0.002B ON MAR 1	22 100	1981
1982	---	11.3 ON APR 23	0 B ON MAR 1	16 500	1982
MEAN				24 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	1936
MEAN	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 00 N DRAINAGE AREA, 268 km²
LONG 111 48 00 W REGULATED

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	6.00E ON APR 11 *	0B ON MAR 1 *	---	1936
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.047	0.027	0.014	0.011	---	---	---	1966
1967	---	---	---	---	0.081	0.136	0.034	0.013	0.004	0.004	0.003	0.002	---	1967
1968	0.001	0.001	0.002	0.007	0.015	0.017	0.009	0.010	0.012	0.013	0.008	0.005	0.008	1968
1969	0.003	0.001	0.002	0.031	0.054	0.084	0.210	0.036	0.019	0.011	---	---	---	1969
1970	---	---	---	---	---	0.092	0.051	0.016	0.011	---	---	---	---	1970
1971	---	---	0.001	0.015	0.013	0.027	0.011	0.004	0.003	0.003	---	---	---	1971
1972	---	---	0.003	0.010	0.035	0.075	0.065	0.035	0.020	0.012	---	---	---	1972
1973	0.003	0.003	0.003	0.010	0.080	0.089	0.028	0.013	0.009	0.006	0.003	0.001	0.021	1973
1974	0.001	0.001	0.001	0.016	0.067	0.055	0.021	0.011	0.009	0.009	0.004	0.002	0.016	1974
1975	---	---	---	---	---	---	---	0.018	0.008	---	---	---	---	1975
1976	0.001	0.001	0	0.005	0.010	0.011	0.006	0.015	0.011	0.010	0.002	0.002	0.006	1976
1977	0.001	0	0	0.003	0.033	0.030	0.013	0.018	0.017	0.015	0.006	0	0.011	1977
1978	0	0	0	0.036	0.053	0.077	0.036	0.029	0.024	0.013	---	---	---	1978
1979	---	0	0.001	0.011	0.030	0.040	0.044	0.016	0.007	0.004	0.004	---	---	1979
1980	---	---	0.001	0.003	0.018	0.052	0.023	0.015	0.012	0.008	---	---	---	1980
1981	---	---	0.002	0.005	0.056	0.054	0.132	0.052	0.014	0.017	---	---	---	1981
1982	---	---	0	0	0.033	0.037	0.071	0.032	0.016	0.011	---	---	---	1982
MEAN	0.001	0.001	0.001	0.012	0.041	0.058	0.050	0.021	0.012	0.010	0.004	0.002	0.012	MEAN

LOCATION - LAT 51 39 25 N DRAINAGE AREA, 5.44 km²
LONG 115 08 00 W NATURAL FLOW

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	1.94 AT 20:00 MST ON MAY 30 *	0.699 ON MAY 30	---	---	1967
1968	0.068 AT 19:30 MST ON APR 28	0.048 ON APR 29	0.001E ON JAN 4	266	1968
1969	0.886 AT 04:00 MST ON JUN 29	0.699 ON JUN 29	0.001E ON JAN 30	---	1969
1970	0.821 AT 07:21 MST ON JUN 16	0.640 ON JUN 16	---	---	1970
1971	0.136 AT 04:30 MST ON JUN 6	0.096 ON JUN 6	---	---	1971
1972	0.787 AT 07:30 MST ON JUN 25	0.498 ON JUN 25	---	---	1972
1973	0.328 AT 17:50 MST ON MAY 27	0.286 ON MAY 27	0 ON DEC 28 *	655	1973
1974	0.176 AT 18:50 MST ON MAY 24	0.142 ON MAY 24	0 B ON DEC 29	519	1974
1975	---	---	---	---	1975
1976	0.068 AT 11:00 MST ON AUG 9	0.037 ON JUN 16	0 B ON FEB 16	194	1976
1977	0.082 AT 17:30 MST ON MAY 15	0.062 ON MAY 29	0 E ON JAN 21	360	1977
1978	0.991 AT 15:30 MST ON APR 28	0.405 ON APR 28	0 ON JAN 1	---	1978
1979	0.252 AT 11:45 MST ON JUN 20	0.131 ON JUN 20	0 B ON JAN 8	---	1979
1980	0.142 AT 19:00 MST ON JUN 4	0.108 ON JUN 4	0 ON JAN 28	---	1980
1981	1.59 AT 08:45 MST ON JUL 30	0.728 ON JUL 30 *	---	---	1981
1982	0.239 AT 18:54 MST ON JUL 4	0.136 ON JUL 4	0 B ON JAN 5	---	1982
				399	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DEER CREEK AT DICKINSON'S RANCH - STATION NO. 11AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.312	0.180	0.147	---	---	---	---	---	1911
1915	---	---	---	---	---	0.306	0.102	0.042	0.033	0.031	---	---	---	1915
MEAN	---	---	---	---	---	0.309	0.141	0.095	0.033	0.031	---	---	---	MEAN

LOCATION - LAT 49 02 00 N DRAINAGE AREA, 18.9 km²
LONG 111 32 30 W NATURAL FLOW

DEER CREEK CATTLE CO. DITCH - STATION NO. 11AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	0.044	0.038	---	---	---	---	---	---	---	1923
1924	---	---	---	---	0.023	0.083	---	---	---	---	---	---	---	1924
1925	---	---	---	0.060	0.046	---	---	---	---	---	---	---	---	1925
1926	---	---	---	---	0.008	0.009	---	---	---	---	---	---	---	1926
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	---	---	---	---	---	---	---	---	---	---	---	1929
1930	---	---	---	---	0.022	0.002	---	---	---	---	---	---	---	1930
MEAN	---	---	---	0.060	0.029	0.033	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO. DITCH - STATION NO. 11AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	0 ON JUN 4 *	---	1923
1924	---	---	0 ON MAY 25	---	1924
1925	---	---	0 ON MAR 26	---	1925
1926	---	---	0 ON MAY 1	---	1926
1928	---	---	0 ON APR 28	---	1928
1929	---	---	0 ON JUL 14	---	1929
1930	---	---	0 ON MAY 21	---	1930
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK CATTLE CO. EAST DITCH - STATION NO. 11AA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.114	0.036	0.016	0.018	---	---	---	---	---	---	1912
1915	---	---	---	0.040	0.057	0.047	0.054	---	0.008	---	---	---	---	1915
MEAN	---	---	---	0.077	0.047	0.032	0.036	---	0.008	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO. EAST DITCH STATION NO. 11AA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 20 *	---	1912
1915	---	---	0 ON JUN 8	---	1915
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.097	0.062	---	---	1966
1967	---	---	---	---	---	0.544	0.104	0.045	0.022	0.024	0.021	---	---	1967
1968	---	---	---	---	0.255	0.188	0.302	0.239	0.098	0.052	0.028	---	---	1968
1969	---	---	---	---	0.286	0.269	0.523	---	0.072	0.059	---	---	---	1969
1970	---	---	---	---	0.282	0.249	0.050	0.033	0.025	0.012	---	---	---	1970
1971	---	---	---	0.053	0.300	0.613	0.327	0.073	0.071	0.119	---	---	0.222	1971
1972	---	---	---	---	0.457	0.532	0.221	0.073	0.150	0.172	---	---	---	1972
1973	---	---	---	0.008	0.537	0.287	0.129	0.071	0.061	0.084	---	---	0.169	1973
1974	---	---	---	0.144	0.639	0.238	0.149	0.068	0.070	0.053	---	---	0.195	1974
1975	---	---	---	0.016	0.330	0.227	0.119	0.035	0.038	0.027	---	---	0.113	1975
1976	---	---	---	0.098	0.324	0.236	0.094	0.226	0.102	0.064	---	---	0.164	1976
1977	---	---	---	0.054	0.972	0.384	0.315	0.230	0.307	0.140	---	---	0.345	1977
1978	---	---	---	0.164	0.521	0.429	0.288	0.155	0.304	0.089	---	---	0.278	1978
1979	---	---	---	0.057	0.348	0.299	0.118	0.052	0.036	0.052	---	---	0.138	1979
1980	---	---	---	0.283	0.336	1.37	0.434	0.152	0.215	0.106	---	---	0.410	1980
1981	---	---	---	0.062	0.297	0.245	0.305	0.162	0.060	0.044	---	---	0.169	1981
1982	---	---	---	0.101	0.328	0.341	0.778	0.242	0.206	0.265	---	---	0.324	1982
MEAN	---	---	---	0.095	0.414	0.403	0.266	0.124	0.115	0.086	0.037	---	0.230	MEAN

LOCATION - LAT 53 09 20 N DRAINAGE AREA, 14.0 km^2
LONG 117 14 36 W NATURAL FLOW

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	2.01 AT 10:00 MST ON JUN 9	1.71 ON JUN 9	---	---	1967
1968	1.38 AT 02:50 MST ON JUL 22	1.15 ON JUL 22	---	---	1968
1969	11.9 AT 16:00 MST ON AUG 5 *	---	---	---	1969
1970	3.09 AT 06:50 MST ON JUN 16	1.52 ON JUN 16	---	---	1970
1971	2.39 AT 20:00 MST ON JUN 9	2.20 ON JUN 9	0.003B ON APR 1	4 110	1971
1972	2.60 AT 20:00 MST ON JUN 25	1.89 ON JUN 25	---	---	1972
1973	1.21 AT 19:30 MST ON MAY 16	0.909 ON MAY 16	0.001B ON APR 1 *	3 120	1973
1974	1.26B AT 18:00 MST ON MAY 6	1.08 B ON MAY 6	0.006B ON APR 1	3 610	1974
1975	---	0.731B ON MAY 9	0.006B ON APR 1	2 090	1975
1976	---	0.872B ON MAY 1	0.006B ON APR 1	3 030	1976
1977	3.96 AT 15:50 MST ON MAY 29	2.44 ON MAY 22	0.018B ON APR 21	6 370	1977
1978	---	1.78 B ON MAY 16	0.010B ON APR 1	5 140	1978
1979	1.33 AT 07:00 MST ON JUN 20	0.820 ON JUN 20	0.013B ON APR 1	2 540	1979
1980	11.3 AT 13:50 MST ON JUN 4	8.76 ON JUN 4 *	0.030B ON APR 1	7 590	1980
1981	1.16 AT 09:05 MST ON JUL 30	0.995 ON JUL 30	0.010B ON APR 1	3 120	1981
1982	5.47 AT 15:30 MST ON JUL 4	3.62 ON JUL 5	0.003B ON APR 1	6 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 250	MEAN

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	3.25	3.23	2.58	2.18	1.80	1.52	---	1910
1911	1.59	1.28	1.06	1.06	1.68	6.03	5.70	5.64	5.10	3.44	2.55	1.48	3.06	1911
1912	---	1.31	1.92	0.169	1.34	0	---	---	---	---	---	---	---	1912
MEAN	1.59	1.30	1.49	0.615	1.51	3.02	4.48	4.44	3.84	2.81	2.18	1.50	3.06	MEAN

LOCATION - LAT 51 15 00 N
LONG 115 29 00 W NATURAL FLOW

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	8.35 ON JUN 30 *	0.538 ON MAR 28	96 500	1911
1912	---	---	0 ON JUN 1 *	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		96 500	MEAN

DOG RIVER NEAR FITZGERALD - STATION NO. 07MB008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	0.060	0.264	0.399	---	1972
1973	---	---	---	0.903	8.62	---	---	2.84	2.24	---	3.17	1.93	---	1973
1974	1.77	1.64	1.44	6.15	23.1	10.3	7.68	4.51	2.85	2.54	2.24	2.14	5.56	1974
1975	1.53	1.27	1.18	2.23	9.14	7.29	3.42	1.35	0.519	0.784	0.615	0.747	2.51	1975
1976	0.897	1.29	1.18	4.04	12.8	5.54	2.67	1.35	0.313	0.320	0.304	0.303	2.59	1976
1977	0.835	1.19	1.22	2.30	2.40	14.3	7.10	3.36	1.94	1.87	1.84	1.49	3.32	1977
1978	1.77	1.49	1.08	1.22	6.08	4.20	2.06	0.742	0.246	0.323	0.338	0.400	1.67	1978
1979	0.478	0.485	0.401	0.740	2.73	1.79	0.620	0.044	0.007	0.679	0.138	0.036	0.680	1979
1980	0.067	0.058	0.044	0.845	0.663	0.120	0.007	0.001	0.004	0.204	0.067	0.016	0.175	1980
1981	0.009	0.007	0.007	0.271	2.75	0.375	0.410	0.527	0.553	0.506	0.589	0.478	0.546	1981
1982	0.267	0.249	0.350	0.568	4.82	3.51	1.49	0.452	0.008	0.135	0.102	0.196	1.02	1982
MEAN	0.847	0.853	0.767	1.93	7.31	5.27	2.83	1.52	0.868	0.742	0.879	0.740	2.01	MEAN

LOCATION - LAT 59 52 35 N DRAINAGE AREA, 2 150 km^2
LONG 111 31 15 W NATURAL FLOW

DOG RIVER NEAR FITZGERALD - STATION NO. 07MB008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	28.9 ON MAY 1 *	1.27 B ON APR 10	175 000	1974
1975	---	10.1 ON MAY 13	0.323 ON SEP 22	79 300	1975
1976	---	17.2 E ON MAY 3	0.283B ON DEC 21	82 100	1976
1977	28.0 AT 18:00 MST ON JUN 20 *	27.8 ON JUN 20	0.654B ON JAN 1	105 000	1977
1978	8.27 AT 03:00 MST ON MAY 12	8.21 ON MAY 12	0.156 ON SEP 7	52 600	1978
1979	---	3.65B ON MAY 17	0.002 ON SEP 2	21 400	1979
1980	---	1.95B ON APR 21	0.001 ON AUG 7 *	5 530	1980
1981	---	4.20E ON MAY 3	0.003 ON JUN 25	17 200	1981
1982	---	6.51 ON MAY 18	0.001 ON AUG 30	32 100	1982
				63 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	3.86	7.94	3.62	1.23	0.345	---	1975
1976	0.209	0.215	0.205	9.75	2.19	1.01	0.962	0.992	1.91	---	---	0.153	---	1976
1977	0.073	0.041	0.028	1.34	0.828	0.878	1.12	0.201	0.329	0.888	0.304	0.205	0.521	1977
MEAN	0.141	0.128	0.117	5.55	1.51	0.944	1.04	1.68	3.39	2.25	0.767	0.234	0.521	MEAN

LOCATION - LAT 57 10 12 N DRAINAGE AREA, 963 km^2
LONG 111 47 38 W NATURAL FLOW

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	24.6 B ON APR 13 *	0.085B ON DEC 28	---	1976
1977	---	3.54B ON APR 16	0.028B ON MAR 3 *	16 400	1977
				16 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.013	0.065	0.255	0.243	0.202	0.079	0.031	---	---	0.146	1973
1974	---	---	---	---	0.013	0.122	0.337	0.271	0.101	0.167	---	---	0.169	1974
1975	---	---	---	---	0.068	0.093	0.296	0.302	0.038	0.033	---	---	0.139	1975
1976	---	---	---	---	0.070	0.408	0.520	0.178	0.096	0.092	---	---	0.227	1976
1977	---	---	---	---	0.167	0.382	0.424	0.241	0.026	0.037	---	---	0.213	1977
1978	---	---	---	---	0.015	0.056	0.553	0.175	0.043	0.031	---	---	0.146	1978
1979	---	---	---	---	0.020	0.474	0.624	0.238	0.116	0.118	---	---	0.265	1979
1980	---	---	---	---	0.161	0.124	0.365	0.253	0.056	0.094	---	---	0.176	1980
1981	---	---	---	---	0.070	0.383	0.596	0.313	0.282	0.364	---	---	0.335	1981
1982	---	---	---	---	0.047	0.207	0.782	0.512	0.183	0.056	---	---	0.299	1982
MEAN	---	---	---	0.013	0.070	0.250	0.474	0.269	0.102	0.102	---	---	0.212	MEAN

LOCATION - LAT 49 55 40 N
LONG 111 24 50 W REGULATED

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.22 ON JUN 16	0.002 ON MAY 10	2 320	1973
1974	---	0.708 ON AUG 13	0.004 ON MAY 10	2 690	1974
1975	---	0.801 ON JUN 20	0.004 ON JUN 8	2 210	1975
1976	---	1.12 ON JUL 12	0.008 ON MAY 3	3 610	1976
1977	---	1.03 E ON JUL 1	0.004 ON JUL 27	3 390	1977
1978	---	1.12 E ON JUL 27	0.003 ON MAY 28	2 330	1978
1979	---	1.23 ON JUL 1	0.007 ON OCT 27	4 210	1979
1980	---	1.37 ON AUG 4 *	0 ON JUN 6 *	2 800	1980
1981	---	1.11 ON JUL 17	0.002 ON MAY 1	5 320	1981
1982	---	1.23 ON JUL 6	0.004 ON MAY 24	4 750	1982
				3 360	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	0	0.186	0.100	0.231	0.164	0.158	0.165	0.255	---	0.168	1972
1973	---	---	---	---	0.174	0.151	0.211	0.221	0.264	0.118	---	---	0.190	1973
1974	---	---	---	---	0.009	0.193	0.223	0.098	0.153	0.174	---	---	0.141	1974
1975	---	---	---	---	0.007	0.140	0.208	0.197	0.079	0.058	---	---	0.115	1975
1976	---	---	---	---	0.142	0.397	0.262	0.199	0.198	0.281	0.319	---	0.246	1976
1977	---	---	---	---	0.309	0.273	0.256	0.220	0.217	0.226	---	---	0.250	1977
1978	---	---	---	---	0.001	0.110	0.184	0.211	0.152	0.138	---	---	0.133	1978
1979	---	---	---	---	0.059	0.315	0.269	0.336	0.202	0.168	---	---	0.224	1979
1980	---	---	---	---	0.175	0.286	0.236	0.271	0.418	0.647	---	---	0.339	1980
1981	---	---	---	---	0.095	0.302	0.337	0.234	0.205	0.470	---	---	0.274	1981
1982	---	---	---	---	0.226	0.284	0.167	0.242	0.294	0.346	---	---	0.260	1982
MEAN	---	---	---	0	0.126	0.232	0.235	0.218	0.213	0.254	0.287	---	0.213	MEAN

LOCATION - LAT 49 53 17 N
LONG 111 39 50 W REGULATED

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	0.541 ON SEP 26	0 ON MAY 1 *	2 670	1972
1973	---	0.445 ON MAY 23	0 ON MAY 1	3 010	1973
1974	---	0.419 ON JUL 3	0 A ON MAY 1	2 250	1974
1975	---	0.419 ON OCT 27	0 ON MAY 14	1 820	1975
1976	---	0.620 ON JUN 19	0 ON MAY 1	3 910	1976
1977	---	0.617 ON MAY 15	0.001 ON MAY 1	3 980	1977
1978	---	0.345 ON JUL 3	0 ON MAY 8	2 110	1978
1979	---	0.713 ON JUL 2	0 E ON MAY 1	3 570	1979
1980	---	0.756 ON OCT 25 *	0 ON MAY 1	5 380	1980
1981	---	0.622 ON OCT 24	0 ON MAY 1	4 360	1981
1982	---	0.597 ON JUN 8	0 ON MAY 1	4 130	1982
				3 380	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.006	0.079	0.118	0.221	0.209	0.160	0.070	---	---	0.143	1973
1974	---	---	---	---	0.007	0.143	0.130	0.092	0.179	0.091	---	---	0.107	1974
1975	---	---	---	---	0.098	0.085	0.191	0.220	0.218	0.131	---	---	0.157	1975
1976	---	---	---	---	0.057	0.232	0.203	0.164	0.119	0.054	---	---	0.138	1976
1977	---	---	---	---	0.110	0.176	0.209	0.147	0.130	0.097	---	---	0.145	1977
1978	---	---	---	---	0.086	0.046	0.267	0.273	0.229	0.158	---	---	0.177	1978
1979	---	---	---	---	0.015	0.146	0.158	0.182	0.107	0.136	---	---	0.124	1979
1980	---	---	---	---	0.141	0.109	0.177	0.144	0.151	0.091	---	---	0.135	1980
1981	---	---	---	---	0.074	0.220	0.277	0.219	0.176	0.190	---	---	0.192	1981
1982	---	---	---	---	0.104	0.236	0.348	0.281	0.400	0.189	---	---	0.259	1982
MEAN	---	---	---	0.006	0.077	0.151	0.218	0.193	0.187	0.121	---	---	0.158	MEAN

LOCATION - LAT 49 52 50 N
LONG 112 00 49 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.379 ON JUN 15	0.001 ON MAY 10	2 270	1973
1974	---	0.286 ON SEP 11	0.001 ON MAY 9	1 690	1974
1975	---	0.493 ON AUG 17	0.006 ON OCT 31	2 500	1975
1976	---	0.360 ON JUN 6	0 ON MAY 6 *	2 190	1976
1977	---	0.334 ON JUN 30	0 ON MAY 1	2 300	1977
1978	---	0.419 ON AUG 23	0 ON JUN 16	2 810	1978
1979	---	0.363 ON AUG 25	0 ON MAY 27	1 970	1979
1980	---	0.431 ON MAY 24	0.003 ON MAY 1	2 150	1980
1981	---	0.510 ON JUL 26	0 ON MAY 1	3 060	1981
1982	---	0.755 ON JUL 2 *	0.008 ON MAY 16	4 120	1982
				2 510	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.073	[illegible]	0.258	0.339	0.281	0.093	---	---	0.219	1972
1973	---	---	---	---	0.076	[illegible]	0.211	0.237	0.233	0.059	---	---	0.163	1973
1974	---	---	---	---	0.021	[illegible]	0.290	0.206	0.383	0.204	---	---	0.222	1974
1975	---	---	---	---	0.129	---	0.099	0.255	0.323	0.203	---	---	---	1975
1976	---	---	---	---	0.149	0.229	0.233	0.233	0.312	0.209	---	---	0.227	1976
1977	---	---	---	---	0.326	0.284	0.221	0.193	0.230	0.152	---	---	0.234	1977
1978	---	---	---	---	0.019	0.067	0.346	0.458	0.228	0.145	---	---	0.211	1978
1979	---	---	---	---	0.046	0.387	0.230	0.368	0.226	0.223	---	---	0.246	1979
1980	---	---	---	---	0.227	0.200	0.317	0.247	0.325	0.236	---	---	0.259	1980
1981	---	---	---	---	0.506	0.406	0.413	0.316	0.246	0.144	---	---	0.339	1981
1982	---	---	---	---	0.089	0.327	0.377	0.434	0.412	0.210	---	---	0.308	1982
MEAN	---	---	---	---	0.151	0.257	0.272	0.299	0.291	0.171	---	---	0.243	MEAN

LOCATION - LAT 49 48 30 N
LONG 112 10 45 W   REGULATED

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.06 ON JUN 3	0.012B ON OCT 31	3 490	1972
1973	---	0.580 ON JUN 15	0.004 ON MAY 2	2 590	1973
1974	---	0.674 ON SEP 3	0.003 ON MAY 12	3 520	1974
1975	---	---	0.006 ON MAY 18	---	1975
1976	---	1.22 ON AUG 10	0.009E ON OCT 31	3 610	1976
1977	---	0.549 ON MAY 23	0.002 ON MAY 1 *	3 730	1977
1978	---	1.63 ON AUG 23	0.005 ON MAY 21	3 360	1978
1979	---	1.45 ON AUG 24	0.004 ON MAY 24	3 910	1979
1980	---	0.810 ON MAY 24	0.006 ON MAY 6	4 110	1980
1981	---	5.19 ON MAY 24 *	0.004 ON MAY 21	5 390	1981
1982	---	0.830E ON SEP 27	0.008 ON MAY 2	4 890	1982
MEAN				3 860	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.064	0.038	0.039	0.031	0.036	---	---	---	1975
1976	---	---	0.117	0.712	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.036	0.073	0.081	0.034	0.013	0.024	0.026	0.037	---	---	0.040	1977
1978	---	---	0.098	0.355	0.055	0.043	0.018	0.033	0.338	0.224	---	---	0.144	1978
1979	---	---	0.942R	2.35 R	0.664R	0.035R	0.062R	0.009R	0.013R	0.057R	---	---	0.513R	1979
1980	---	---	0.019	1.28	0.088	0.127	0.136	0.052	0.044	0.040	---	---	0.220	1980
1981	---	---	0.531	0.624	0.068	0.032	0.061	0.003	0.003	0.006	---	---	0.165	1981
1982	---	---	0	1.74	0.641	0.081	4.50	0.737	0.121	0.097	---	---	0.993	1982
MEAN	---	---	0.249R	1.02 R	0.266R	0.059R	0.690R	0.128R	0.082R	0.071R	---	---	0.346	MEAN

LOCATION - LAT 52 52 53 N   DRAINAGE AREA, 1 150 km^2 R - REVISED SINCE JAN 1980
LONG 112 38 20 W   NATURAL FLOW

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	1.96 B ON APR 3	0 B ON MAR 1 *	---	1976
1977	---	0.181 ON MAY 16	0 ON AUG 7	855	1977
1978	---	0.680 ON SEP 28	0.007 ON JUL 26	3 050	1978
1979	---	5.17 RA ON APR 19	0 R ON AUG 22	10 900R	1979
1980	3.74 AT 16:50 MST ON APR 16	3.39 ON APR 17	0.001B ON MAR 1	4 650	1980
1981	---	1.50 ON APR 5	0.001 ON JUL 29	3 500	1981
1982	7.72 AT 18:55 MST ON JUL 8 *	7.59 ON JUL 9 *	0 B ON MAR 1	21 000	1982
MEAN				7 330R	MEAN

A - MANUAL GAUGE   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)   R - REVISED SINCE JAN 1980

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.228	6.75	26.6	22.8	5.33	8.82	3.26	3.05	---	---	9.60	1973
1974	---	---	0.295	25.5	29.8	3.88	15.5	2.35	2.57	2.40	---	---	10.3	1974
1975	---	---	0.247	3.77	9.88	22.0	14.8	9.44	7.22	1.75	---	---	8.60	1975
1976	---	---	0.313	14.8	10.2	19.1	12.4	27.6	8.19	2.11	---	---	11.8	1976
1977	---	---	0.485	15.1	23.1	12.5	25.3	2.74	3.90	2.09	---	---	10.7	1977
1978	---	---	0.255	9.08	13.6	13.0	2.78	1.69	14.4	2.23	---	---	7.06	1978
1979	---	---	0.389	4.73	30.3	28.1	28.7	1.10	0.872	0.659	---	---	11.9	1979
1980	---	---	0.039	5.35	5.56	5.19	2.85	4.81	8.58	1.82	---	---	4.25	1980
1981	---	---	0.386	9.44	9.37	10.6	4.26	0.569	0.442	0.617	---	---	4.43	1981
1982	---	---	0.125	1.17	19.1	1.55	9.86	13.9	1.05	0.669	---	---	5.98	1982
MEAN	---	---	0.276	9.57	17.8	13.9	12.2	7.30	5.05	1.74	---	---	8.46	MEAN

LOCATION - LAT 55 20 48 N DRAINAGE AREA, 840 km²
LONG 115 47 39 W NATURAL FLOW

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	129 AT 09:30 MST ON MAY 21	111 ON JUN 17	0.193B ON MAR 11	203 000	1973
1974	180 AT 15:00 MST ON JUL 13	136 ON JUL 13	0.255B ON MAR 15	218 000	1974
1975	210 AT 16:00 MST ON JUN 28	193 ON JUN 28 *	0.227B ON APR 9	182 000	1975
1976	189 AT 12:00 MST ON AUG 18	164 ON AUG 18	0.218B ON MAR 3	250 000	1976
1977	109 AT 23:00 MST ON MAY 29	86.9 ON JUL 12	0.354B ON MAR 21	226 000	1977
1978	104 AT 06:00 MST ON SEP 18	88.3 ON SEP 18	0.153B ON MAR 6	149 000	1978
1979	220 AT 16:00 MST ON JUN 14 *	185 ON JUN 14	0.173 ON AUG 18	251 000	1979
1980	36.6 AT 15:00 MST ON MAY 28	31.4 ON MAY 28	0.020B ON MAR 3 *	89 900	1980
1981	47.6 AT 05:30 MST ON APR 25	40.0 ON APR 25	0.200B ON MAR 10	93 800	1981
1982	125 AT 13:40 MST ON AUG 3	111 ON AUG 4	0.063B ON MAR 1	127 000	1982
				179 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.053	0.489	5.31	17.0	9.42	4.40	3.18	1.68	---	---	---	1968
1969	---	---	0.562	12.2	13.1	6.18	1.94	1.07	7.23	10.7	---	---	---	1969
1970	---	---	0.479	4.25	16.6	28.6	76.2	10.9	4.38	1.46	0.745	0.061	---	1970
1971	0.012	0.019	0.019	7.76	11.8	28.8	63.4	9.80	3.16	1.30	0.755	0.651	10.7	1971
1972	0.568	0.280	0.268	3.83	26.9	24.9	16.5	6.75	2.62	3.25	2.35	1.10	7.46	1972
1973	0.767	0.570	0.664	5.11	23.6	43.2	14.8	8.23	4.84	5.55	4.32	2.45	9.53	1973
1974	1.85	1.82	1.06	30.3	57.2	9.93	27.2	8.22	9.08	6.59	3.06	1.82	13.3	1974
1975	1.12	0.379	0.350	3.68	21.6	32.2	42.1	16.1	18.0	5.69	3.28	1.02	12.2	1975
1976	0.607	0.584	0.458	5.88	4.38	8.65	19.5	23.6	16.6	7.56	3.17	0.108	7.62	1976
1977	0.146	0.241	0.735	9.06	29.1	32.4	22.8	11.1	8.47	7.00	2.67	1.25	10.5	1977
1978	0.636	0.675	0.838	11.6	30.3	21.5	7.46	2.09	22.2	10.3	3.07	1.45	9.36	1978
1979	0.648	0.626	0.757	2.01	29.5	28.1	35.7	7.30	1.17	0.511	0.372	0.364	8.99	1979
1980	0.261	0.270	0.289	3.64	2.78	4.09	4.44	13.4	13.1	9.03	4.21	1.21	4.74	1980
1981	0.495	0.359	0.520	7.19	12.1	7.51	8.22	2.26	0.165	0.197	0.339	0.087	3.30	1981
1982	0.001	0	0.087	3.45	20.3	4.63	19.3	17.7	3.73	1.16	0.658	0.417	6.04	1982
MEAN	0.593	0.485	0.476	7.36	20.3	19.8	24.6	9.53	7.86	4.80	2.23	0.922	8.65	MEAN

LOCATION - LAT 55 15 19 N DRAINAGE AREA, 2 100 km²
LONG 114 13 54 W NATURAL FLOW

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	92.6 AT 01:30 MST ON JUN 14	65.1 ON JUN 14	---	---	1968
1969	30.3 AT 10:00 MST ON APR 30	29.7 ON APR 30	---	---	1969
1970	300 AT 10:30 MST ON JUN 30 *	260 ON JUN 30 *	---	---	1970
1971	246 AT 18:30 MST ON JUL 4	202 ON JUL 4	0.002B ON JAN 24	338 000	1971
1972	92.3 AT 23:30 MST ON JUN 18	72.5 ON JUN 19	0.085B ON MAR 28	236 000	1972
1973	156 AT 17:30 MST ON JUN 17	137 ON JUN 17	0.204B ON JAN 3	301 000	1973
1974	130 AT 22:00 MST ON JUL 13	108 ON APR 28	0.850B ON MAR 23	418 000	1974
1975	172 AT 14:00 MST ON JUN 28	150 ON JUN 28	0.178B ON MAR 8	385 000	1975
1976	90.0 AT 13:30 MST ON AUG 27	77.3 ON AUG 27	0.085B ON DEC 19	241 000	1976
1977	105 AT 03:30 MST ON JUN 3	95.1 ON JUN 3	0.096B ON JAN 1	330 000	1977
1978	64.6 AT 14:00 MST ON APR 30	61.4 ON APR 30	0.467B ON JAN 25	295 000	1978
1979	135 AT 15:00 MST ON JUL 14	122 ON JUL 14	0.195B ON NOV 29	284 000	1979
1980	27.5 AT 07:00 MST ON AUG 6	25.9 ON AUG 6	0.157B ON JAN 31	150 000	1980
1981	24.7 AT 18:30 MST ON JUL 23	21.4 ON APR 26	0.002B ON DEC 29	104 000	1981
1982	69.2 AT 11:21 MST ON JUL 16	58.4 ON JUL 21	0 B ON JAN 25 *	190 000	1982
				273 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.306	0.143	0.140	---	---	---	1980
1981	---	---	---	---	0.294	0.400	0.427	0.133	0.216	0.233	---	---	0.284	1981
1982	---	---	---	---	0.026	0.389	0.391	0.342	0.199	0.082	---	---	0.237	1982
MEAN	---	---	---	---	0.160	0.395	0.409	0.260	0.186	0.152	---	---	0.261	MEAN

LOCATION - LAT 49 29 39 N DRAINAGE AREA, 54.9 km²
LONG 112 55 48 W REGULATED

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	---	5.72 ON JUN 14 *	0.004 ON MAY 2	4 510	1981
1982	---	3.08 ON JUL 2	0.002 ON OCT 17 *	3 780	1982
				4 150	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.930	1.49	6.96	6.74	3.55	1.27	0.676	0.836	0.477	---	2.80	1972
1973	---	---	0.277	0.559	3.04	2.57	0.675	0.328	0.244	0.229	---	---	0.989	1973
MEAN	---	---	0.604	1.02	5.00	4.66	2.11	0.799	0.460	0.533	0.477	---	1.89	MEAN

LOCATION - LAT 49 17 43 N DRAINAGE AREA, 79.8 km²
LONG 113 58 20 W NATURAL FLOW

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	20.9 ON MAY 31 *	0.119B ON MAR 2 *	59 300	1972
1973	---	7.28 ON MAY 18	0.210E ON OCT 26	21 000	1973
				40 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	2.39	7.50	5.46	5.19	1.92	0.995	0.950	---	---	---	1920
1921	---	---	1.20	3.55	12.0	9.91	3.37	1.17	1.12	1.50	---	---	---	1921
1922	---	---	---	3.17	17.3	17.5	5.09	1.23	0.769	0.745	---	---	---	1922
1923	---	---	0.366	1.96	9.38	35.8	4.86	4.91	1.76	1.27	---	---	---	1923
1924	---	---	0.363	1.38	7.23	17.4	4.46	4.31	1.48	1.24	---	---	---	1924
1925	---	---	---	3.84	9.96	8.26	1.86	1.36	2.03	3.22	---	---	---	1925
1926	---	---	0.603	2.63	2.83	4.92	2.44	0.990	6.21	3.89	---	---	---	1926
1927	---	---	1.90	4.82	15.1	28.6	11.9	4.41	6.05	5.17	---	---	---	1927
1928	---	---	4.84	5.96	13.9	16.6	10.6	3.42	2.76	3.07	---	---	---	1928
1929	---	---	0.892	2.12	12.6	13.2	4.09	0.996	0.629	1.62	---	---	---	1929
1930	---	---	0.689	2.78	9.55	10.5	3.01	1.35	1.32	1.61	---	---	---	1930
1931	---	---	0.356	---	---	---	---	---	---	---	---	---	---	1931
1966	---	---	---	---	---	---	---	---	---	1.16	---	---	---	1966
1967	---	---	0.645	1.70	19.7	24.0	5.49	1.14	0.619	0.533	---	---	---	1967
1968	---	---	0.809	0.994	---	---	4.10	2.28	4.86	3.42	---	---	---	1968
1969	---	---	0.802	4.46	7.29	15.8	4.67	0.970	0.524	0.556	---	---	---	1969
1970	---	---	0.324	0.860	11.9	16.2	2.47	0.770	0.769	1.11	0.619	0.442	---	1970
1971	0.352	0.618	0.430	1.86	12.0	10.8	3.37	1.17	0.832	1.34	0.960	0.533	2.87	1971
1972	0.360	0.369	2.55	4.36	14.8	14.1	7.82	3.11	1.92	1.97	1.03	0.711	4.43	1972
1973	0.659	0.568	0.722	1.93	7.56	5.80	1.58	0.708	0.621	0.585	0.778	0.665	1.85	1973
1974	0.772	0.630	0.768	2.61	9.70	16.6	4.25	2.15	1.10	0.835	0.603	0.404	3.37	1974
1975	0.280	0.275	0.255	1.15	13.9	30.7	7.83	2.74	1.70	1.78	1.76	2.20	5.38	1975
1976	1.13	0.708	1.00	3.06	9.78	6.28	4.20	4.89	1.27	0.810	0.564	0.406	2.85	1976
1977	0.345	0.363	0.281	0.681	2.96	2.26	0.764	1.65	2.14	1.18	0.634	0.431	1.14	1977
1978	0.382	0.256	0.801	1.67	8.99	10.0	5.99	1.67	2.20	1.37	0.795	0.549	2.91	1978
1979	0.383	0.375	1.07	2.22	10.5	8.36	2.22	1.62	0.967	0.555	0.335	0.304	2.42	1979
1980	0.295	0.455	0.595	3.37	10.8	9.08	1.67	1.62	2.56	1.60	1.40	1.86	2.94	1980
1981	1.64	1.56	1.32	2.49	17.0	9.43	4.80	1.78	0.726	0.636	0.638	0.490	3.56	1981
1982	0.297	0.372	0.417	1.18	4.80	10.9	3.91	1.05	0.664	1.01	0.670	0.461	2.15	1982
MEAN	0.575	0.546	0.960	2.56	10.7	13.8	4.52	2.05	1.80	1.60	0.830	0.727	2.99	MEAN

LOCATION - LAT 49 17 38 N DRAINAGE AREA, 238 km²
LONG 113 47 35 W NATURAL FLOW

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	11.9 ON MAY 18	---	---	1920
1921	---	25.5 E ON MAY 23	---	---	1921
1922	---	31.7 ON JUN 6	---	---	1922
1923	---	94.3 ON JUN 1	---	---	1923
1924	---	39.9 ON JUN 7	---	---	1924
1925	---	17.2 ON JUN 14	---	---	1925
1926	---	14.3 ON SEP 9	---	---	1926
1927	---	47.3 ON JUN 11	---	---	1927
1928	---	30.6 ON JUL 1	---	---	1928
1929	---	21.8 ON MAY 26	---	---	1929
1930	---	17.0 ON MAY 4	---	---	1930
1931	---	---	---	---	1931
1966	---	---	---	---	1966
1967	54.9 AT 21:30 MST ON MAY 17	48.7 ON MAY 22	---	---	1967
1968	---	---	---	---	1968
1969	70.8 AT 15:11 MST ON JUN 26	61.4 ON JUN 26	---	---	1969
1970	---	41.6 ON JUN 14	---	---	1970
1971	26.2 AT 05:30 MST ON MAY 28	24.7 ON MAY 31	0.283B ON JAN 1	90 500	1971
1972	34.8 AT 03:40 MST ON JUN 1	32.8 ON JUN 1	0.159B ON MAR 4 *	140 000	1972
1973	17.4 AT 06:00 MST ON MAY 19	16.4 ON MAY 19	0.394B ON DEC 19	58 400	1973
1974	26.3 AT 06:50 MST ON JUN 13	25.1 ON JUN 13	0.297B ON DEC 27	106 000	1974
1975	286 AT 03:30 MST ON JUN 20 *	181 ON JUN 20 *	0.238B ON JAN 14	170 000	1975
1976	19.1 AT 16:15 MST ON MAY 11	18.0 ON MAY 11	0.331B ON DEC 29	90 200	1976
1977	4.76 AT 00:00 MST ON MAY 12	4.39 ON MAY 12	0.232B ON MAR 19	36 100	1977
1978	22.8 AT 09:10 MST ON JUN 6	21.6 ON JUN 6	0.181B ON FEB 9	91 600	1978
1979	22.6 AT 08:45 MST ON MAY 27	21.1 ON MAY 27	0.182B ON NOV 28	76 300	1979
1980	61.7 AT 11:50 MST ON MAY 26	49.6 ON MAY 26	0.264B ON JAN 8	92 900	1980
1981	82.3 AT 09:10 MST ON MAY 22	68.7 ON MAY 22	0.230B ON DEC 31	112 000	1981
1982	15.8 AT 15:15 MST ON JUN 5	15.3 ON JUN 5	0.185B ON JAN 4	67 800	1982
				94 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.234	1.35	1.70	0.545	0.175	0.121	0.125	---	---	0.605	1935
1936	---	---	---	0.337	1.68	1.68	0.369	0.186	0.196	0.193	---	---	0.662	1936
1937	---	---	---	0.134	1.42	2.77	0.577	0.196	0.113	0.152	---	---	0.763	1937
1938	---	---	---	0.276	2.41	2.64	0.964	0.273	0.179	0.159	---	---	0.986	1938
1939	---	---	0.057	0.372	1.28	1.45	0.368	0.181	0.155	0.261	---	---	0.579	1939
1940	---	---	---	0.190	1.63	1.10	0.627	0.328	0.435	0.476	---	---	0.685	1940
1941	---	---	0.171	0.354	0.879	0.890	0.601	0.367	0.498	0.521	0.407	---	0.587	1941
1942	---	---	---	0.486	2.27	3.17	1.08	0.669	0.925	0.517	---	---	1.30	1942
1943	---	---	---	---	1.78	2.80	1.46	0.339	0.175	0.160	---	---	---	1943
1944	---	---	---	0.152	0.568	1.51	0.526	0.384	0.256	0.184	---	---	0.510	1944
1945	---	---	---	---	1.48	3.81	0.739	0.245	0.219	---	---	---	---	1945
1946	---	---	---	0.316	1.94	2.16	0.626	0.240	0.472	0.553	---	---	0.899	1946
1947	---	---	---	0.637	2.32	1.92	0.606	0.298	0.732	1.03	---	---	1.08	1947
1948	---	---	---	---	1.78	3.54	0.734	0.501	0.230	0.154	---	---	---	1948
1949	---	---	---	---	1.86	1.76	0.599	0.216	0.239	0.223	---	---	---	1949
1950	---	---	---	0.171	1.82	3.26	1.26	0.374	0.190	0.205	---	---	1.04	1950
1951	---	---	---	0.559	3.48	3.78	2.60	0.816	1.70	0.995	---	---	1.99	1951
1952	---	---	---	0.771	1.57	1.20	0.753	1.02	0.318	0.208	---	---	0.835	1952
1953	---	---	0.111	0.466	2.39	5.14	1.51	0.301	0.192	0.157	---	---	1.44	1953
1954	---	---	0.071	0.125	2.45	3.06	1.79	0.488	0.680	0.829	---	---	1.35	1954
1955	---	---	---	0.245	1.43	3.36	1.39	0.305	0.159	0.240	---	---	1.02	1955
1956	---	---	---	0.344	2.60	2.18	1.23	0.298	0.165	0.149	---	---	0.995	1956
1957	---	---	---	0.180	3.35	2.12	0.442	0.183	0.273	0.501	---	---	1.01	1957
1958	---	---	0.131	0.219	2.99	2.52	0.855	0.312	0.181	0.174	---	---	1.04	1958
1959	---	---	0.110	0.415	1.92	3.15	1.10	0.293	0.364	0.571	---	---	1.11	1959
1960	---	---	---	0.540	1.64	2.26	0.702	0.275	0.121	0.107	---	---	0.803	1960
1961	---	---	---	0.158	2.31	2.25	0.384	0.204	0.300	0.536	---	---	0.876	1961
1962	---	---	---	0.692	1.26	2.04	0.625	0.224	0.224	0.173	---	---	0.745	1962
1963	---	---	0.134	0.192	1.48	2.77	1.27	0.300	0.206	0.196	---	---	0.914	1963
1964	---	---	---	0.207	2.17	4.81	0.904	0.241	0.190	0.310	---	---	1.26	1964
1965	---	---	---	0.412	1.50	3.88	1.20	0.429	0.450	0.484	---	---	1.19	1965
1966	---	---	---	0.319	2.00	2.40	0.801	0.350	0.275	0.270	---	---	0.914	1966
1967	---	---	---	0.413	3.09	4.34	1.23	0.245	0.144	0.127	---	---	1.37	1967
1968	---	---	0.203	0.206	1.71	2.44	0.920	0.506	1.08	0.846	---	---	1.10	1968
1969	---	---	0.118	0.574	1.60	3.17	1.00	0.235	0.138	0.120	---	---	0.972	1969
1970	---	---	---	---	---	3.12	---	---	0.152	0.169	---	---	---	1970
1971	---	---	0.090	0.228	2.35	2.50	0.741	0.165	0.184	0.248	---	---	0.915	1971
1972	---	---	0.196	0.430	2.70	3.73	1.74	0.634	0.377	0.357	---	---	1.42	1972
1973	---	---	0.106	0.183	1.36	1.30	0.376	0.169	0.151	0.156	---	---	0.527	1973
1974	---	---	0.126	0.412	1.72	3.37	0.932	0.468	0.213	0.166	---	---	1.03	1974
1975	---	---	0.053	0.081	1.86	5.92	1.81	0.540	0.366	0.361	---	---	1.55	1975
1976	---	---	0.131	0.439	2.17	1.67	0.994	1.16	0.298	0.191	---	---	0.990	1976
1977	---	---	---	0.139	0.638	0.528	0.216	0.237	0.343	0.221	---	---	0.332	1977
1978	---	---	---	0.237	1.70	2.18	1.25	0.361	0.437	0.288	---	---	0.922	1978
1979	---	---	---	0.183	1.67	1.77	0.526	0.479	0.226	0.134	---	---	0.713	1979
1980	---	---	---	0.561	2.20	1.84	0.440	0.318	0.456	0.320	---	---	0.875	1980
1981	---	---	---	0.405	2.94	1.97	0.960	0.378	0.165	0.126	---	---	0.994	1981
1982	---	---	---	0.179	0.956	2.34	0.784	0.251	0.155	0.198	---	---	0.692	1982
MEAN	---	---	0.121	0.330	1.91	2.61	0.918	0.365	0.330	0.316	0.407	---	0.967	MEAN

LOCATION - LAT 49 18 00 N DRAINAGE AREA, 29.3 km^2
LONG 114 00 20 W NATURAL FLOW

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	3.09 AT 07:00 MST ON MAY 23	3.03 ON MAY 23	0.099 ON SEP 11	11 200	1935
1936	4.42 AT 08:00 MST ON JUN 1	4.22 ON JUN 1	0.057B ON APR 1	12 200	1936
1937	12.6 ON JUN 13	11.4 ON JUN 13	0.074 ON APR 6	14 100	1937
1938	6.23 AT 17:00 MST ON MAY 25	6.06 ON MAY 25	0.057 ON APR 1	18 200	1938
1939	3.17 ON JUN 16	3.11 ON JUN 16	0.105 ON APR 3	10 700	1939
1940	4.87 ON JUL 27	3.57 ON JUL 27	0.113E ON APR 1	12 700	1940
1941	---	1.87 ON JUN 2	0.238 ON APR 2	10 900	1941
1942	14.5 ON JUN 5	11.9 ON JUN 5	0.057B ON APR 1	24 000	1942
1943	---	4.62 ON JUN 18	---	---	1943
1944	---	5.35 ON JUN 17	0.091 ON APR 16	9 430	1944
1945	---	5.61 ON JUN 10	---	---	1945
1946	---	5.38 ON MAY 26	0.105 ON APR 4	16 600	1946
1947	4.19 ON MAY 3	3.88 ON MAY 3	0.204 ON APR 6	19 900	1947
1948	---	11.7 ON JUN 17	---	---	1948
1949	---	4.81 ON JUN 1	---	---	1949
1950	6.46 AT 21:00 MST ON JUN 15	5.32 ON JUN 16	0.113B ON APR 1	19 200	1950
1951	6.88 AT 02:00 MST ON JUN 15	6.40 ON JUN 15	0.170B ON APR 1	36 800	1951
1952	5.30 AT 23:50 MST ON AUG 7	3.79 ON AUG 8	0.147 ON APR 11	15 400	1952
1953	15.4 AT 04:00 MST ON JUN 4	12.9 ON JUN 4	0.113B ON APR 1	26 700	1953
1954	6.54 AT 20:00 MST ON MAY 19	6.12 ON MAY 19	0.085B ON APR 1	24 900	1954
1955	6.12 AT 07:00 MST ON MAY 20	5.32 ON MAY 20	0.113B ON APR 1	18 800	1955
1956	6.43 AT 23:00 MST ON MAY 20	5.89 ON MAY 21	0.113E ON APR 1	18 400	1956
1957	5.24 AT 03:00 MST ON MAY 15	4.93 ON MAY 15	0.085B ON APR 1	18 700	1957
1958	4.53 AT 14:00 MST ON MAY 12	4.22 ON MAY 12	0.096 ON APR 9	19 100	1958
1959	5.52 AT 21:00 MST ON JUN 5	5.30 ON JUN 5	0.133 ON APR 1	20 600	1959
1960	5.58 AT 01:00 MST ON MAY 13	4.96 ON MAY 12	0.102 ON OCT 4	14 900	1960
1961	6.31 AT 03:00 MST ON MAY 27	6.06 ON MAY 27	0.091 ON APR 1	16 200	1961
1962	6.63 AT 15:00 MST ON JUN 14	6.06 ON JUN 14	0.142E ON APR 1	13 800	1962
1963	6.80 AT 10:00 MST ON JUN 10	5.41 ON JUN 10	0.093 ON APR 1	16 900	1963
1964	33.4 AT 11:30 MST ON JUN 8	25.3 ON JUN 8	0.074B ON APR 1	23 200	1964
1965	17.6 AT 15:00 MST ON JUN 17	12.6 ON JUN 17	0.074B ON APR 3	21 900	1965
1966	4.96 AT 22:00 MST ON JUN 4	4.59 ON JUN 5	0.170E ON APR 1	16 900	1966
1967	8.10 AT 22:00 MST ON MAY 21	7.53 ON MAY 22	0.113E ON APR 1	25 200	1967
1968	6.03 AT 23:00 MST ON JUN 7	5.10 ON JUN 8	0.142 ON APR 16	20 300	1968
1969	13.5 AT 16:00 MST ON JUN 26	11.0 ON JUN 26	0.110 ON OCT 21	18 000	1969
1970	11.0 AT 18:00 MST ON JUN 13	8.18 ON JUN 14	---	---	1970
1971	5.30 AT 00:30 MST ON MAY 28	4.93 ON MAY 31	0.074 ON AUG 28	16 900	1971
1972	8.78 AT 23:30 MST ON MAY 31	7.96 ON JUN 1	0.292 ON OCT 29	26 300	1972
1973	4.08 AT 01:40 MST ON MAY 18	3.85 ON MAY 18	0.091 ON APR 2	9 760	1973
1974	6.63 AT 05:30 MST ON MAY 26	5.80 ON JUN 18	0.133B ON APR 3	19 100	1974
1975	39.9 ON JUN 20 *	27.9 ON JUN 19 *	0.048B ON APR 4 *	28 700	1975
1976	4.45 AT 03:50 MST ON MAY 11	4.08 ON MAY 11	0.153 ON OCT 31	18 300	1976
1977	0.971 AT 09:00 MST ON MAY 11	0.926 ON MAY 11	0.082 ON APR 13	6 140	1977
1978	4.81 AT 05:00 MST ON JUN 6	4.36 ON JUN 6	0.108 ON APR 3	17 000	1978
1979	5.56 AT 21:20 MST ON AUG 21	4.09 ON MAY 27	0.084B ON APR 4	13 200	1979
1980	7.32 AT 13:35 MST ON MAY 26	6.44 ON MAY 26	0.068B ON APR 10	16 200	1980
1981	10.9 AT 10:10 MST ON MAY 22	10.2 ON MAY 22	0.105 ON OCT 9	18 400	1981
1982	3.29 AT 02:45 MST ON JUN 14	3.10 ON JUN 13	0.064B ON APR 7	12 800	1982
				17 900	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	14.1	7.38	2.50	0.072	---	1975
1976	0.030	0.110	0.217	16.1	7.26	4.35	3.60	2.45	2.21	1.98	0.743	0.253	3.26	1976
1977	0.180	0.131	0.158	3.14	4.70	5.02	7.77	2.25	0.953	1.90	0.410	0.187	2.25	1977
1978	0.090	0.063	0.046	2.28	15.5	7.23	1.97	1.46	23.1	14.8	1.96	0.617	5.78	1978
1979	0.267	0.195	0.230	---	---	---	---	---	---	---	---	---	---	1979
MEAN	0.142	0.125	0.163	7.17	9.15	5.53	4.45	2.05	10.1	6.52	1.40	0.282	3.76	MEAN

LOCATION - LAT 56 51 20 N   DRAINAGE AREA, 1 570 km^2
LONG 112 42 40 W   NATURAL FLOW

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	31.1 AT 19:00 MST ON APR 20	30.9 ON APR 21	0.028B ON JAN 1	103 000	1976
1977	11.8 AT 20:25 MST ON JUL 10	11.8 ON JUL 10	0.105B ON MAR 17	70 900	1977
1978	34.0 AT 15:00 MST ON SEP 18 *	33.7 ON SEP 18 *	0.024B ON FEB 28 *	182 000	1978
1979	---	0.382B ON JAN 1	0.190B ON FEB 11	---	1979
				119 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	6.41	2.73	0.976	0.592	0.464	---	---	---	1966
1967	---	---	---	---	6.97	13.3	3.44	0.953	0.487	0.398	---	---	4.23	1967
1968	---	---	0.398	0.562	4.62	7.31	2.61	1.13	1.14	1.51	---	---	3.04	1968
1969	---	---	0.195	1.96	5.55	7.09	3.35	0.836	0.493	0.625	---	---	2.98	1969
1970	---	---	0.126	0.172	3.31	5.30	1.31	0.563	0.548	0.443	---	---	1.90	1970
1971	---	---	0.148	0.822	7.21	7.43	2.24	0.944	0.585	0.799	---	---	3.19	1971
1972	---	---	0.563	1.17	9.89	11.7	3.42	1.74	1.32	1.16	---	---	4.86	1972
1973	---	---	0.228	0.502	3.89	4.68	1.58	0.665	0.437	0.389	---	---	1.93	1973
1974	---	---	0.114	1.26	6.92	12.2	3.21	1.30	0.637	0.503	---	---	4.10	1974
1975	---	---	---	---	4.76	9.85	3.63	1.43	0.783	0.709	---	---	3.51	1975
1976	---	---	---	---	7.17	3.37	1.84	4.33	1.25	0.695	---	---	3.12	1976
1977	---	---	---	---	2.23	1.82	0.709	0.923	0.983	0.602	---	---	1.21	1977
1978	---	---	---	---	6.04	7.64	3.76	1.41	0.945	0.737	---	---	3.41	1978
1979	---	---	---	---	5.31	4.50	1.33	0.753	0.522	0.330	---	---	2.12	1979
1980	---	---	---	---	5.39	3.81	1.21	0.826	0.822	0.677	---	---	2.12	1980
1981	---	---	---	---	8.33	6.80	3.20	1.17	0.615	0.521	---	---	3.44	1981
1982	---	---	---	---	4.23	6.89	2.00	0.735	0.616	0.614	---	---	2.50	1982
MEAN	---	---	0.253	0.921	5.74	7.06	2.45	1.22	0.751	0.657	---	---	2.98	MEAN

LOCATION - LAT 49 54 06 N DRAINAGE AREA, 143 km²
LONG 114 25 49 W NATURAL FLOW

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	13.0 ON JUN 1	---	---	1966
1967	37.9 AT 17:00 MST ON MAY 30 *	32.3 ON MAY 30 *	0.340B ON OCT 31	67 200	1967
1968	13.2 AT 01:10 MST ON MAY 23	12.1 ON JUN 10	0.816 ON SEP 11	48 400	1968
1969	14.6 AT 09:55 MST ON JUN 26	14.0 ON JUN 26	0.439 ON SEP 28	47 500	1969
1970	8.95 AT 22:00 MST ON JUN 4	8.07 ON JUN 4	0.289 ON MAY 1	30 200	1970
1971	16.4 AT 21:30 MST ON MAY 27	14.7 ON JUN 5	0.481 ON SEP 26	50 800	1971
1972	29.7 AT 21:50 MST ON MAY 31	26.1 ON MAY 31	0.889B ON OCT 29	77 200	1972
1973	12.1 AT 21:00 MST ON JUN 8	8.67 ON JUN 9	0.345 ON OCT 9	30 700	1973
1974	22.1 AT 02:10 MST ON JUN 17	20.6 ON JUN 17	0.422B ON OCT 31	65 100	1974
1975	27.0 AT 01:15 MST ON JUN 20	21.5 ON JUN 20	0.569 ON OCT 29	55 700	1975
1976	20.9 AT 24:00 MST ON AUG 5	13.8 ON AUG 6	0.561 ON OCT 31	49 600	1976
1977	---	4.70E ON MAY 11	0.481 ON OCT 31	19 200	1977
1978	16.4 AT 03:40 MST ON JUN 6	14.8 ON JUN 6	0.459B ON OCT 31	54 300	1978
1979	15.5 AT 23:05 MST ON MAY 26	12.9 ON MAY 26	0.163B ON OCT 30 *	33 700	1979
1980	12.3 AT 00:00 MST ON MAY 1	10.4 ON MAY 1	0.556 ON SEP 11	33 700	1980
1981	24.8 AT 23:20 MST ON MAY 25	21.6 ON MAY 26	0.433 ON OCT 21	54 600	1981
1982	11.3 AT 22:38 MST ON JUN 15	10.1 ON JUN 15	0.528 ON OCT 21	39 800	1982
				47 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.100	---	---	---	---	---	1972
1973	---	---	---	---	0.193	0.171	0.126	0.063	0.054	---	---	---	---	1973
1974	---	---	---	---	0.174	0.170	0.171	0.067	---	---	---	---	---	1974
MEAN	---	---	---	---	0.184	0.171	0.149	0.077	0.054	---	---	---	---	MEAN

LOCATION - LAT 53 46 00 N DRAINAGE AREA, 12.4 km²
LONG 118 22 00 W NATURAL FLOW

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.835B AT 19:00 MST ON MAY 13 *	0.425B ON MAY 13 *	0B ON MAY 1 *	---	1973
1974	0.328 AT 22:20 MST ON JUL 15	0.297 ON MAY 28	---	---	1974
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	12.4	10.6	13.9	8.88	5.18	2.95	---	---	---	1921
1922	---	---	---	---	20.5	5.19	2.67	0.807	0.504	0.687	---	---	---	1922
1923	---	---	---	12.9	12.3	10.2	28.2	4.37	1.51	1.38	---	---	---	1923
1924	---	---	---	1.40	10.4	3.79	11.4	19.5	13.8	5.11	---	---	---	1924
1925	---	---	---	---	7.66	4.05	5.43	8.59	4.68	3.82	---	---	---	1925
1926	---	---	---	12.5	20.4	31.0	3.11	0.644	10.8	5.71	---	---	---	1926
1927	---	---	---	8.68	20.7	68.9	79.5	4.32	4.30	5.53	---	---	---	1927
1928	---	---	0.530	22.7	27.8	15.4	6.51	3.43	4.07	2.65	---	---	10.3	1928
1929	---	---	---	21.2	35.1	11.5	22.0	12.3	14.5	9.38	---	---	---	1929
1930	---	---	---	9.75	26.6	67.1	13.8	2.78	1.87	1.76	---	---	---	1930
1959	---	---	0.010	2.95	8.48	4.19	2.17	3.70	1.91	2.36	---	---	3.22	1959
1960	---	---	0.340	6.33	17.3	19.8	4.41	0.914	1.13	0.857	---	---	6.35	1960
1961	---	---	0.123	2.37	11.7	6.08	24.6	1.90	1.13	1.34	---	---	6.20	1961
1962	---	---	0.262	23.3 R	35.9	9.85	6.71	3.90	4.57	2.12	---	---	10.8 R	1962
1963	---	---	0.366	28.8	32.3	7.57	1.94	2.92	2.13	0.595	---	---	9.54	1963
1964	---	---	0.018	3.90	34.4	5.67	20.9	37.6	11.7	6.99	---	---	15.2	1964
1965	---	---	0.380	33.6	41.6	22.8	17.6	17.2	12.0	3.89	---	---	18.6	1965
1966	---	---	0.520	20.0	24.2	6.79	2.83	4.26	2.84	0.995	---	---	7.78	1966
1967	---	---	0.298	3.13	24.3	6.86	1.94	1.11	0.460	0.561	---	---	4.85	1967
1968	---	---	0.673	2.20	8.89	18.1	9.72	3.70	2.66	1.56	---	---	5.92	1968
1969	---	---	0.071	13.5	8.63	2.09	0.632	1.17	8.22	4.33	---	---	4.79	1969
1970	---	---	0.403	13.6	23.3	15.2	11.9	4.53	3.27	2.46	---	---	9.32	1970
1971	---	---	0.432	31.7	14.2	52.1	45.9	5.19	2.20	2.11	---	---	19.1	1971
1972	---	---	0.678	9.87	24.9	16.9	9.45	4.44	2.28	2.32	---	---	8.84	1972
1973	---	---	0.461	19.2	41.1	36.9	8.14	10.8	4.88	4.24	---	---	15.7	1973
1974	---	---	0.560	52.6	51.7	8.01	24.1	3.38	3.08	2.58	---	---	18.2	1974
1975	---	---	0.439	5.88	13.4	33.8	20.2	6.80	8.96	2.97	---	---	11.5	1975
1976	---	---	0.647	31.2	15.7	32.7	23.7	42.4	13.8	6.21	---	---	20.7	1976
1977	---	---	1.16	29.9	40.6	30.1	35.9	4.07	5.17	2.71	---	---	18.7	1977
1978	---	---	0.560	13.2	17.2	25.4	4.33	3.13	16.2	5.70	---	---	10.6	1978
1979	---	---	0.649	11.1	50.0	53.6	48.8	3.53	2.11	1.72	---	---	21.4	1979
1980	---	---	0.234	11.7	9.29	10.9	11.1	6.45	14.1	4.00	---	---	8.44	1980
1981	---	---	1.63	17.1	15.4	12.3	9.02	2.30	0.738	1.13	---	---	7.42	1981
1982	---	---	0.083	2.13	23.8	3.96	11.1	21.2	3.05	1.67	---	---	8.44	1982
MEAN	---	---	0.461	15.4 R	23.0	19.7	16.0	7.71	5.58	3.07	---	---	11.3	MEAN

LOCATION - LAT 55 25 00 N LONG 116 20 20 W   DRAINAGE AREA, 1 460 km² NATURAL FLOW   R - REVISED SINCE JAN 1980

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	34.3 ON JUL 18	---	---	1921
1922	---	44.5 ON MAY 10	---	---	1922
1923	---	103 ON JUL 5	0 B ON APR 1 *	---	1923
1924	90.6 AT 17:15 MST ON AUG 30	55.5 ON AUG 31	0 B ON APR 1	---	1924
1925	---	78.2B ON APR 12	---	---	1925
1926	---	86.1 ON JUN 11	---	---	1926
1927	---	246 ON JUN 25	---	---	1927
1928	---	131 B ON APR 25	0 B ON MAR 1	219 000	1928
1929	---	140 ON JUL 22	---	---	1929
1930	---	116 ON JUN 4	---	---	1930
1959	20.2 AT 16:00 MST ON MAY 18	19.9 ON MAY 18	0 B ON MAR 1	68 200	1959
1960	---	64.6 ON JUN 23	0.142B ON MAR 2	134 000	1960
1961	90.3 AT 13:00 MST ON JUL 2	86.1 ON JUL 2	0.085B ON MAR 1	131 000	1961
1962	85.0R AT 09:00 MST ON APR 23	79.6R ON APR 23	0.227B ON MAR 1	229 000R	1962
1963	---	83.3 ON APR 25	0.136 ON OCT 28	202 000	1963
1964	---	158 ON MAY 8	0.006B ON MAR 1	323 000	1964
1965	---	176 ON JUN 29	0.218B ON MAR 1	393 000	1965
1966	---	53.0 ON MAY 8	0.436B ON MAR 7	165 000	1966
1967	---	41.1 ON MAY 8	0.255B ON MAR 16	103 000	1967
1968	---	78.2 ON JUN 14	0.198B ON MAR 1	125 000	1968
1969	---	43.9 ON APR 15	0.040B ON MAR 1	101 000	1969
1970	74.5 AT 11:30 MST ON JUN 29	61.4 ON JUN 30	0.297B ON MAR 1	197 000	1970
1971	328 AT 23:00 MST ON JUL 4	278 ON JUL 4	0.306B ON MAR 20	405 000	1971
1972	---	79.6 ON APR 30	0.255B ON MAR 6	187 000	1972
1973	228 AT 21:00 MST ON JUN 17	191 ON JUN 17	0.278B ON MAR 10	331 000	1973
1974	---	199 ON JUL 13	0.484B ON MAR 15	385 000	1974
1975	388 AT 20:30 MST ON JUN 29 *	323 ON JUN 29	0.368B ON APR 4	244 000	1975
1976	247 AT 23:00 MST ON AUG 18	180 ON AUG 18	0.623B ON MAR 24	439 000	1976
1977	214 AT 09:00 MST ON JUL 13	169 ON JUL 13	0.949B ON MAR 23	395 000	1977
1978	212 AT 20:00 MST ON JUN 15	128 ON JUN 16	0.283B ON MAR 5	225 000	1978
1979	385 AT 00:30 MST ON JUL 3	348 ON JUN 15 *	0.453B ON MAR 1	454 000	1979
1980	59.1 AT 21:00 MST ON MAY 28	57.2 ON MAY 29	0.196B ON MAR 5	179 000	1980
1981	40.6 AT 00:00 MST ON APR 26	37.5 ON APR 26	0.400B ON MAR 1	157 000	1981
1982	230 AT 14:30 MST ON AUG 4	176 ON AUG 4	0.050B ON MAR 16	179 000	1982
MEAN				239 000R	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0.001	0.014	0.013	0.005	0.001	0.001	0.001	0.001	0	0.003	1964
1965	0	0	0	0.004	0.003	0.010	0.014	0.004	0.003	0.003	0.002	0.002	0.004	1965
1966	0	0	0	0.002	0.007	0.025	0.006	0.003	0.002	0.001	0.001	0.001	0.004	1966
1967	0	0	0	0	0.020	0.031	0.006	0.002	0.001	0.001	0.001	0	0.005	1967
1968	0.001	0.001	0	0.001	0.002	0.004	0.004	0.003	0.003	0.010	0.006	0.003	0.003	1968
1969	0.002	0.001	0.001	0.014	0.014	0.016	0.025	0.004	0.001	0.002	0.001	0.001	0.007	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0.001	0	0	0.004	0.010	0.017	0.010	0.003	0.002	0.003	0.002	0.001	0.004	MEAN

LOCATION - LAT 50 06 31 N DRAINAGE AREA, 0.52 km²
LONG 114 02 58 W NATURAL FLOW

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.020E ON MAY 11	0 ON JAN 1 *	98.2	1964
1965	0.082 AT 16:00 MST ON APR 1 *	0.031 ON JUL 1	0 ON JAN 1	116	1965
1966	0.062 AT 20:30 MST ON JUN 10	0.045 ON JUN 7	0 E ON JAN 3	127	1966
1967	0.057 AT 15:00 MST ON MAY 21	0.057 ON JUN 2	0 ON JAN 1	163	1967
1968	---	0.016 ON OCT 6	0 E ON JAN 1	97.7	1968
1969	0.071 AT 19:20 MST ON JUN 30	0.068 ON JUL 1 *	0.001E ON FEB 4	216	1969
1970	---	---	0 ON JAN 8	---	1970
MEAN				136	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

MONTHLY AND ANNUAL MEAN I'SCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	M.Y	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	---	1964
1965	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.001	1965
1966	0.001	0.001	0.001	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0	0	0.001	1966
1967	0.001	0.001	0.001	0.001	0.004	0.007	0.003	0.001	0.001	0.001	0.001	0	0.002	1967
1968	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	1968
1969	0.001	0.001	0.001	0.003	0.004	0.003	0.006	0.001	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0.001	0.001	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0.001	1971
1972	0.001	0.001	0.001	0.001	0.004	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0.001	0.001	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0	0	0	0.001	1973
1974	0	0.001	0.001	0.001	0.004	0.004	0.002	0.001	0.001	0.001	0	0	0.001	1974
1975	0	0	0	0	0.003	0.004	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1975
1976	0.001	0	0	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	1976
1977	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0.001	0.005	0.005	0.002	0.001	0.001	0.001	0.001	0.001	0.002	1978
1979	0	0	0	0	0.003	0.002	0.001	0	0	0	0	0	0.001	1979
MEAN	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 06 35 N
LONG 114 02 56 W NATURAL FLOW

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0E ON DEC 30 *	---	1964
1965	---	0.005E ON JUL 4	0E ON JAN 1	41.4	1965
1966	---	0.007 ON JUN 8	0E ON NOV 15	45.8	1966
1967	---	0.008E ON MAY 29	0E ON JAN 1	53.1	1967
1968	---	0.003 ON OCT 8	0E ON JAN 1	26.0	1968
1969	---	0.012 ON JUL 2 *	0 ON DEC 17	59.7	1969
1970	---	0.003 ON MAY 18	0 ON JAN 1	37.8	1970
1971	0.002 AT 02:00 MST ON JUN 25	0.002 ON JUN 11	0 ON JAN 1	21.3	1971
1972	0.005 AT 21:00 MST ON JUN 2	0.005 ON MAY 27	0 ON MAR 4	47.2	1972
1973	0.004 AT 22:00 MST ON JUN 3	0.004 ON MAY 12	0 ON SEP 16	38.1	1973
1974	0.010 AT 03:20 MST ON MAY 24 *	0.009 ON MAY 23	0 ON JAN 1	42.5	1974
1975	0.005 AT 01:30 MST ON MAY 29	0.005 ON MAY 25	0 ON JAN 1	40.5	1975
1976	0.003 AT 18:30 MST ON JUL 18	0.002 ON MAY 23	0 ON JAN 7	30.9	1976
1977	0.001 AT 15:00 MST ON JUN 15	0.001 ON JAN 1	0 ON JAN 7	10.8	1977
1978	0.009 AT 00:00 MST ON JUN 1	0.009 ON JUN 1	0 ON JAN 2	49.8	1978
1979	0.004 AT 18:00 MST ON MAY 18	0.004 ON MAY 19	0 ON JAN 1	16.5	1979
MEAN				37.4	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	5.72	9.26	10.0	5.72	6.26	---	---	---	1955
1956	---	---	---	---	2.12	8.74	9.57	3.28	3.33	3.56	---	---	5.09	1956
1957	---	---	---	---	3.05	9.31	11.1	9.42	4.42	4.44	---	---	6.96	1957
1958	---	---	---	---	5.58	12.2	10.1	8.58	6.90	3.27	---	---	7.75	1958
1959	---	---	---	0.001	1.99	8.48	9.29	8.71	6.87	5.07	0.174	---	6.73	1959
1960	---	---	---	---	1.22	10.7	12.0	10.3	7.62	6.29	---	---	8.01	1960
1961	---	---	---	---	7.69	12.2	11.9	11.5	9.50	9.46	---	---	10.4	1961
1962	---	---	---	---	7.35	12.2	12.6	11.8	7.65	7.34	---	---	9.83	1962
1963	---	---	---	0.093	8.76	11.1	8.26	8.01	3.57	6.01	---	---	7.61	1963
1964	---	---	---	---	6.62	10.9	10.7	11.9	9.86	6.25	---	---	9.36	1964
1965	---	---	---	---	6.14	8.70	5.92	5.95	1.28	4.26	---	---	5.38	1965
1966	---	---	---	---	3.11	7.91	8.68	8.06	3.42	5.33	---	---	6.09	1966
1967	---	---	---	---	0.315	3.87	9.08	10.1	6.85	9.94	---	---	6.70	1967
1968	---	---	---	---	6.94	8.88	10.7	10.5	2.46	4.06	---	---	7.27	1968
1969	---	---	---	---	2.87	9.82	9.42	8.88	5.35	6.67	---	---	7.17	1969
1970	---	---	---	---	4.28	8.89	6.98	8.75	8.56	3.64	---	---	6.83	1970
1971	---	---	---	0	1.96	7.72	9.65	9.79	9.61	6.27	0	---	7.49	1971
MEAN	---	---	---	0.031	4.37	9.26	9.72	9.15	6.06	5.77	0.087	---	7.42	MEAN

LOCATION - LAT 50 30 10 N
LONG 112 08 50 W REGULATED

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	10.8 ON AUG 4	0 ON MAY 1 *	---	1955
1956	---	11.8 ON JUN 15	0 ON MAY 1	80 900	1956
1957	---	12.5 ON AUG 1	0 ON MAY 1	111 000	1957
1958	---	13.1 ON JUN 15	0 E ON OCT 17	123 000	1958
1959	---	12.1 ON JUL 20	0.003E ON MAY 1	107 000	1959
1960	---	13.7 ON JUN 12	0.028E ON MAY 1	127 000	1960
1961	---	12.8 ON JUL 25	0 ON SEP 10	165 000	1961
1962	---	13.4 ON JUL 2	0 ON SEP 4	156 000	1962
1963	---	12.5 ON JUN 16	0 ON SEP 1	121 000	1963
1964	---	13.8 ON JUN 15 *	0 ON OCT 24	149 000	1964
1965	---	11.1 ON JUN 16	0 ON MAY 1	85 400	1965
1966	---	11.0 ON JUN 23	0 ON MAY 1	96 800	1966
1967	---	11.2 ON JUL 27	0 ON MAY 1	106 000	1967
1968	---	11.5 ON JUN 26	0 ON SEP 1	116 000	1968
1969	---	11.0 ON JUN 27	0 ON MAY 1	114 000	1969
1970	---	10.6 ON JUN 9	0 E ON MAY 1	109 000	1970
1971	---	10.3 ON SEP 29	0 ON MAY 1	119 000	1971
				118 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	32.4	32.2	26.8	26.8	---	---	---	1961
1962	---	---	---	---	22.8	30.3	31.2	30.7	20.6	20.1	---	---	---	1962
1963	---	---	---	0.189	25.8	32.0	22.2	16.2	12.4	15.9	---	---	---	1963
MEAN	---	---	---	0.189	24.3	31.2	28.6	26.4	19.9	20.9	---	---	---	MEAN

LOCATION - LAT 50 32 00 N
LONG 112 10 50 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	32.8 ON JUL 10	0 ON SEP 4 *	---	1962
1963	---	36.0 ON MAY 31 *	0 ON APR 1	---	1963
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.569	11.7	15.2	14.3	15.1	13.4	6.74	---	---	12.7	1964
1965	---	---	---	---	4.25	10.3	5.91	10.6	2.42	8.42	---	---	6.98	1965
1966	---	---	---	---	8.26	11.8	14.7	13.2	3.99	6.46	---	---	9.76	1966
1967	---	---	---	---	1.31	7.47	11.0	17.5	14.3	17.8	---	---	11.6	1967
1968	---	---	---	1.55	14.0	14.1	17.4	17.4	5.32	7.85	0.002	---	12.7	1968
1969	---	---	---	---	8.11	18.4	15.7	16.8	9.83	13.5	---	---	13.7	1969
1970	---	---	---	---	10.9	17.3	6.94	10.3	14.8	7.41	---	---	11.2	1970
1971	---	---	---	---	9.20	16.1	18.6	20.6	19.7	11.2	---	---	15.9	1971
MEAN	---	---	---	1.06	8.47	13.8	13.1	15.2	10.5	9.92	0.002	---	11.8	MEAN

LOCATION - LAT 50 30 49 N
LONG 112 08 33 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	20.8 ON JUN 15	0 ON OCT 22 *	203 000	1964
1965	---	18.7 ON JUN 17	0 ON SEP 7	111 000	1965
1966	---	16.1 ON JUN 24	0 ON MAY 1	155 000	1966
1967	---	19.1 ON OCT 14	0.028E ON MAY 1	184 000	1967
1968	---	18.3 ON JUL 24	0 ON SEP 1	202 000	1968
1969	---	20.4 ON OCT 2	0 E ON MAY 1	218 000	1969
1970	---	22.9 ON JUN 13 *	0 E ON MAY 1	179 000	1970
1971	---	21.7 ON AUG 19	0 ON MAY 1	253 000	1971
MEAN				188 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	1.41	1.63	3.80	7.24	2.87	4.44	0	---	2.70	1917
1918	---	---	---	0	2.27	4.34	12.9	13.0	17.3	7.92	0.951	---	7.37	1918
1919	---	---	---	0	1.98	6.36	14.0	8.53	4.93	2.35	0	---	4.80	1919
1920	---	---	---	0	1.03	9.79	13.3	12.9	11.8	0.175	0	---	6.13	1920
1921	---	---	---	0	1.56	16.2	20.5	22.0	22.3	8.39	0.632	---	11.5	1921
1922	---	---	---	0	2.15	20.5	19.1	14.0	10.6	3.19	0	---	8.71	1922
1923	---	---	---	0	7.98	10.2	14.1	21.4	21.1	0.301	0	---	9.41	1923
1924	---	---	---	0.150	20.7	28.3	27.8	26.2	18.4	6.36	0	---	16.1	1924
1925	---	---	---	0	8.18	13.5	19.5	14.2	11.4	0.247	0	---	8.41	1925
1926	---	---	---	0	10.6	21.8	19.3	13.5	9.66	0	0	---	9.38	1926
1927	---	---	---	0	3.58	8.97	17.9	19.0	12.3	0.397	0	---	7.81	1927
1928	---	---	---	0	11.2	19.5	13.5	13.4	11.7	0.405	0	---	8.72	1928
1929	---	---	---	1.92	8.67	22.7	30.3	24.4	19.9	12.9	0	---	15.2	1929
1930	---	---	---	9.21	24.0	30.7	33.2	31.9	31.1	2.46	0	---	20.4	1930
1945	---	---	---	0.416	21.1	25.9	27.3	30.3	29.9	23.5	0.362	---	19.9	1945
1946	---	---	---	1.12	23.4	24.1	28.7	29.3	26.7	16.2	0	---	18.8	1946
1947	---	---	---	0	13.2	20.9	31.1	26.8	18.2	10.1	0	---	15.1	1947
1948	---	---	---	0	1.51	20.6	29.7	13.5	25.8	16.8	0	---	13.5	1948
1949	---	---	---	1.99	20.1	27.6	28.1	25.0	26.6	24.2	13.8	---	21.0	1949
1950	---	---	---	0	13.0	30.4	27.9	24.7	28.4	17.1	0	---	17.7	1950
1951	---	---	---	0	4.22	11.2	15.8	24.8	0.869	8.07	0	---	8.21	1951
1952	---	---	---	0	9.86	25.5	22.5	11.7	10.2	9.79	0	---	11.2	1952
1953	---	---	---	0	2.95	2.89	15.5	18.7	5.48	10.3	0	---	7.05	1953
1954	---	---	---	0.006	11.1	21.9	27.8	20.7	15.4	10.3	0.008	---	13.5	1954
1955	---	---	---	0.299	5.00	17.2	26.4	27.2	17.3	14.6	0.005	---	13.6	1955
1956	---	---	---	0.008	7.85	23.4	23.2	15.1	12.8	10.2	0.009	---	11.6	1956
1957	---	---	---	0.004	12.0	29.9	33.2	27.8	17.9	20.8	0.014	---	17.8	1957
1958	---	---	---	0	19.9	31.3	28.7	24.2	21.5	8.44	0	---	16.8	1958
1959	---	---	---	0.572	10.8	22.4	27.0	25.2	19.7	16.5	1.47	---	15.5	1959
1960	---	---	---	0.268	5.38	27.9	30.0	25.3	23.2	19.4	4.13	---	17.0	1960
1961	---	---	---	7.67	22.2	32.9	35.0	35.6	28.0	28.9	1.98	---	24.1	1961
1962	---	---	---	1.83	25.0	33.0	33.4	32.9	22.2	19.0	0	---	21.0	1962
1963	---	---	---	0.472	28.5	34.2	22.8	17.6	11.4	18.4	0	---	16.8	1963
1964	---	---	---	0.864	18.0	29.6	27.7	30.1	24.5	12.4	0	---	18.0	1964
1965	---	---	---	0	11.7	24.5	15.2	19.9	3.71	15.6	0	---	11.4	1965
1966	---	---	---	0.236	13.9	22.3	25.8	23.2	8.61	13.7	0	---	13.5	1966
1967	---	---	---	0	2.01	12.4	24.6	31.1	19.8	35.7	0	---	15.8	1967
1968	---	---	---	3.40	26.2	28.5	32.0	30.8	9.39	14.7	0	---	18.3	1968
1969	---	---	---	0	9.33	32.8	28.4	29.0	17.2	23.0	0	---	17.5	1969
1970	---	---	---	0	16.3	30.4	14.6	22.8	27.6	9.54	0	---	15.2	1970
1971	---	---	---	0	12.0	27.9	30.8	33.3	29.9	16.4	0	---	18.9	1971
1972	---	---	---	1.84	16.2	35.3	30.8	31.0	29.5	10.8	0	---	19.5	1972
1973	---	---	---	0.803	22.8	27.0	26.8	32.0	31.3	7.92	0	---	18.6	1973
1974	---	---	---	0.025	11.1	27.0	32.7	31.8	31.2	20.5	0	---	19.4	1974
1975	---	---	---	0.768	8.97	6.61	24.7	31.3	20.6	7.84	0.003	---	12.7	1975
1976	---	---	---	1.53	20.1	32.5	29.9	28.8	30.1	19.5	0	---	20.4	1976
1977	---	---	---	5.19	26.1	29.7	30.0	29.6	32.8	16.7	0	---	21.3	1977
1978	---	---	---	4.72	9.97	9.62	29.6	26.9	13.5	20.2	0	---	14.4	1978
1979	---	---	---	1.48	17.6	27.2	26.3	30.2	30.5	29.8	0.101	---	20.5	1979
1980	---	---	---	1.65	21.7	29.7	31.8	31.6	31.9	12.7	0	---	20.2	1980
1981	---	---	---	1.27	17.9	34.4	30.5	31.0	27.7	34.4	2.29	---	22.5	1981
1982	---	---	---	0.464	12.7	25.0	27.0	27.6	25.4	17.7	0.020	---	17.0	1982
MEAN	---	---	---	0.965	12.6	22.5	24.9	24.0	19.5	13.3	0.496	---	16.8	MEAN

LOCATION - LAT 50 43 15 N
LONG 112 20 29 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	14.1 ON OCT 2	0 ON APR 1 *	57 000	1917
1918	---	19.6 ON SEP 14	0 ON APR 1	155 000	1918
1919	---	15.3 ON JUL 11	0 ON APR 1	101 000	1919
1920	---	16.1 ON JUN 15	0 ON APR 1	129 000	1920
1921	---	22.8 ON SEP 27	0 ON APR 1	242 000	1921
1922	---	25.7 ON JUN 29	0 ON APR 1	184 000	1922
1923	---	24.5 ON MAY 31	0 ON APR 1	198 000	1923
1924	---	29.7 ON AUG 17	0 ON APR 1	339 000	1924
1925	---	22.3 ON JUL 4	0 ON APR 1	177 000	1925
1926	---	25.6 ON JUN 12	0 ON APR 1	198 000	1926
1927	---	25.4 ON AUG 29	0 ON APR 1	165 000	1927
1928	---	23.6 ON JUN 17	0 ON APR 1	184 000	1928
1929	---	36.2 ON JUL 4	0E ON APR 1	320 000	1929
1930	---	35.4 ON JUL 2	0E ON APR 1	429 000	1930
1945	---	32.6 ON SEP 26	0 ON APR 1	420 000	1945
1946	---	33.1 ON JUL 22	0 ON APR 1	396 000	1946
1947	---	32.8 ON JUL 9	0 ON APR 1	319 000	1947
1948	---	34.3 ON JUL 8	0 ON APR 1	285 000	1948
1949	---	30.3 ON JUN 15	0 ON APR 1	442 000	1949
1950	---	36.0 ON JUN 22	0 ON APR 1	374 000	1950
1951	---	39.9 ON AUG 8	0 ON APR 1	173 000	1951
1952	---	33.1 ON JUN 20	0 ON APR 1	237 000	1952
1953	---	27.1 ON JUL 18	0 ON APR 1	149 000	1953
1954	---	35.1 ON AUG 1	0 ON APR 1	284 000	1954
1955	---	30.6 ON JUL 2	0E ON APR 1	286 000	1955
1956	---	31.4 ON JUL 26	0E ON APR 1	245 000	1956
1957	---	35.1 ON JUL 18	0E ON APR 1	375 000	1957
1958	---	33.7 ON JUN 27	0 ON APR 1	354 000	1958
1959	---	30.6 ON AUG 19	0E ON APR 1	327 000	1959
1960	---	33.1 ON JUN 11	0E ON APR 1	358 000	1960
1961	---	38.5 ON JUL 23	0E ON APR 1	509 000	1961
1962	---	36.2 ON JUL 11	0 ON APR 1	443 000	1962
1963	---	39.9 ON MAY 25	0 ON APR 1	353 000	1963
1964	---	39.6 ON JUN 12	0 ON APR 1	379 000	1964
1965	---	37.9 ON JUN 15	0 ON APR 1	240 000	1965
1966	---	30.3 ON JUN 24	0E ON APR 1	286 000	1966
1967	---	39.9 ON OCT 12	0 ON APR 1	334 000	1967
1968	---	39.9 ON MAY 29	0 ON APR 1	385 000	1968
1969	---	38.8 ON JUN 7	0E ON APR 1	370 000	1969
1970	---	42.8 ON JUN 9	0 ON APR 1	320 000	1970
1971	---	35.4 ON JUL 30	0 ON APR 1	398 000	1971
1972	---	43.0 ON JUN 7	0 ON APR 1	410 000	1972
1973	---	43.6 ON MAY 26 *	0 ON APR 1	393 000	1973
1974	---	36.5 ON JUN 23	0E ON APR 1	409 000	1974
1975	---	37.4 ON JUL 26	0E ON APR 1	267 000	1975
1976	---	34.3 ON JUN 8	0 ON APR 1	429 000	1976
1977	---	34.5 ON SEP 25	0 ON APR 1	450 000	1977
1978	---	32.8 ON JUL 21	0E ON APR 1	304 000	1978
1979	---	34.0 ON OCT 16	0E ON APR 1	432 000	1979
1980	---	36.5 ON AUG 9	0E ON APR 1	426 000	1980
1981	---	40.0 ON OCT 4	0 ON APR 1	475 000	1981
1982	---	29.2 ON JUL 11	0 ON APR 1	359 000	1982
MEAN				313 000	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT MAIN BANTRY CANAL ABOVE AQUEDUCT - STATION NO. 05BN001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	0.087	0.647	0.899	1.04	0.690	0.188	---	---	0.591	1917
1918	---	---	---	---	0.964	1.39	2.14	1.43	1.16	0.582	0.096	---	1.28	1918
1922	---	---	---	---	0.997	11.6	9.42	4.98	3.41	0.492	---	---	5.10	1922
1923	---	---	---	---	4.43	6.99	5.82	5.37	5.63	1.90	---	---	5.01	1923
1924	---	---	---	---	6.11	8.93	11.1	6.72	5.24	3.85	---	---	7.00	1924
1925	---	---	---	---	2.47	8.96	11.8	9.39	5.46	0.262	---	---	6.37	1925
1955	---	---	---	---	0.711	11.5	13.9	11.8	3.57	3.94	---	---	7.56	1955
1956	---	---	---	---	3.04	11.7	16.3	3.47	3.54	3.10	---	---	6.85	1956
1957	---	---	---	---	5.62	14.0	18.8	6.50	5.40	3.32	---	---	8.94	1957
1958	---	---	---	---	8.51	14.1	10.0	11.4	4.72	2.06	---	---	8.46	1958
1959	---	---	---	---	3.90	14.1	16.0	8.05	3.48	1.35	---	---	7.00	1959
1960	---	---	---	---	3.13	17.6	18.4	7.21	4.79	3.93	---	---	9.15	1960
1961	---	---	---	---	10.9	20.0	18.0	13.3	6.39	6.07	---	---	12.4	1961
1962	---	---	---	---	8.11	19.2	15.7	12.1	2.86	5.01	---	---	10.5	1962
1963	---	---	---	---	15.1	17.1	6.59	9.40	4.22	4.97	---	---	9.55	1963
1964	---	---	---	---	5.45	14.5	16.9	13.2	4.06	2.60	---	---	9.45	1964
1965	---	---	---	---	2.62	11.8	6.46	11.3	1.71	3.69	---	---	6.26	1965
1966	---	---	---	---	4.22	11.4	13.4	5.30	3.54	4.83	---	---	7.11	1966
1967	---	---	---	---	0.275	6.59	16.5	13.6	5.60	9.18	---	---	8.66	1967
1968	---	---	---	---	10.2	13.6	---	---	2.62	3.50	---	---	---	1968
1969	---	---	---	---	4.30	17.0	12.6	12.9	4.67	5.80	---	---	9.54	1969
1970	---	---	---	---	5.61	9.46	8.72	11.9	10.8	0.180	---	---	7.93	1970
1971	---	---	---	0	3.73	12.5	16.0	12.6	6.38	3.92	0	---	9.20	1971
MEAN	---	---	---	0	4.85	11.9	12.1	8.77	4.35	3.25	0.086	---	7.49	MEAN

LOCATION - LAT 50 31 35 N
LONG 111 52 13 W   REGULATED

EASTERN IRRIGATION DISTRICT MAIN BANTRY CANAL ABOVE AQUEDUCT - STATION NO. 05BN001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	1.25 ON AUG 8	0 ON MAY 1 *	9 410	1917
1918	---	2.73 ON JUL 28	0.385 ON OCT 26	20 300	1918
1922	---	14.4 ON JUN 18	0 ON MAY 1	81 100	1922
1923	---	10.8 ON JUN 14	0 ON MAY 7	79 700	1923
1924	---	13.6 ON AUG 26	0.368 ON OCT 31	111 000	1924
1925	---	12.5 ON JUL 27	0 ON MAY 1	101 000	1925
1955	---	18.5 ON JUN 22	0 ON MAY 1	120 000	1955
1956	---	20.1 ON JUL 14	0.028E ON MAY 1	109 000	1956
1957	---	20.9 ON JUL 11	0 ON MAY 1	142 000	1957
1958	---	19.7 ON MAY 29	0 E ON MAY 1	135 000	1958
1959	---	21.0 ON JUN 19	0 ON SEP 5	124 000	1959
1960	---	20.4 ON JUL 14	0.006E ON MAY 1	145 000	1960
1961	---	21.2 ON JUN 11	0.003 ON OCT 30	198 000	1961
1962	---	20.8 ON JUN 6	0 ON MAY 1	167 000	1962
1963	---	23.3 ON MAY 29 *	0 ON MAY 1	152 000	1963
1964	---	21.1 ON AUG 3	0 ON MAY 1	150 000	1964
1965	---	18.8 ON JUN 10	0 ON MAY 1	99 500	1965
1966	---	16.7 ON JUL 18	0 ON MAY 1	113 000	1966
1967	---	19.3 ON JUL 25	0 ON MAY 1	138 000	1967
1968	---	---	---	---	1968
1969	---	19.8 ON JUN 27	0 ON MAY 1	152 000	1969
1970	---	19.8 ON JUN 9	0 ON MAY 1	126 000	1970
1971	---	17.4 ON AUG 3	0 ON MAY 1	146 000	1971
				119 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0	1.15	2.38	1.58	1.08	0.815	0.360	0	---	0.912	1914
1915	---	---	---	0.561	1.16	0.828	1.08	1.29	1.29	0.717	0.167	---	0.882	1915
1916	---	---	---	0	1.18	1.10	0.699	0.806	0.395	0.453	0.067	---	0.591	1916
1917	---	---	---	0	0.273	0.835	3.08	1.06	0.818	0.586	0	---	0.833	1917
1918	---	---	---	0	0.189	4.40	5.90	2.46	1.82	2.12	0.320	---	2.16	1918
1919	---	---	---	0	0.220	4.53	8.35	2.83	1.12	0.281	0	---	2.18	1919
1920	---	---	---	0	0.039	3.87	5.03	3.41	1.04	0.026	0	---	1.69	1920
1921	---	---	---	0	0.469	8.24	8.68	3.29	2.00	0.276	0	---	2.87	1921
1922	---	---	---	0	0.616	7.51	8.15	4.03	1.28	0.124	0	---	2.72	1922
1923	---	---	---	0	1.69	1.33	3.58	2.02	1.37	0.014	0	---	1.26	1923
1924	---	---	---	0	2.49	4.96	9.21	2.67	2.07	0.789	0	---	2.79	1924
1925	---	---	---	0	1.48	5.29	6.18	4.39	2.72	0	0	---	2.51	1925
1926	---	---	---	0	2.32	6.66	8.39	5.06	2.16	0	0	---	3.09	1926
1927	---	---	---	0	0.252	1.18	1.48	2.47	1.90	0	0	---	0.902	1927
1928	---	---	---	0	1.86	4.48	1.10	2.31	1.57	0.077	0	---	1.42	1928
1929	---	---	---	0	2.09	6.28	8.37	4.46	3.28	0.033	0	---	3.07	1929
1930	---	---	---	0	1.88	7.10	7.43	4.47	2.79	0	0	---	2.97	1930
1945	---	---	---	0	3.29	7.88	7.69	8.08	4.77	2.75	0	---	4.33	1945
1946	---	---	---	0.088	5.37	5.43	7.52	6.29	3.74	2.31	0	---	3.87	1946
1947	---	---	---	0	2.42	5.26	9.70	6.29	3.61	2.08	0	---	3.69	1947
1948	---	---	---	0	0	5.70	8.71	2.09	3.89	2.47	0	---	2.87	1948
1949	---	---	---	0.486	6.34	9.24	8.68	4.11	2.80	2.57	0	---	4.30	1949
1950	---	---	---	0	1.94	8.27	7.56	4.08	1.93	1.85	0	---	3.21	1950
1951	---	---	---	0	0.631	2.99	6.12	4.80	0.243	1.76	0	---	2.09	1951
1952	---	---	---	0	0.613	6.68	6.10	3.54	3.03	2.48	0	---	2.81	1952
1953	---	---	---	0	0.113	0.519	4.37	4.53	0.900	2.53	0	---	1.64	1953
1954	---	---	---	0	0.398	2.69	7.85	4.78	0.988	1.83	0	---	2.34	1954
1955	---	---	---	0	0.699	4.59	5.08	4.93	1.44	1.76	0	---	2.33	1955
1956	---	---	---	0	0.515	7.00	6.67	3.67	3.14	3.05	0	---	3.01	1956
1957	---	---	---	0	2.15	8.09	7.97	4.69	1.90	2.34	0	---	3.41	1957
1958	---	---	---	0	2.71	9.01	5.28	6.47	1.70	1.31	0	---	3.32	1958
1959	---	---	---	0	2.10	5.67	7.53	4.65	2.13	1.33	0	---	2.94	1959
1960	---	---	---	0	0.807	10.3	10.5	5.67	3.44	2.49	0	---	4.17	1960
1961	---	---	---	0	1.45	12.0	10.4	7.14	3.03	2.34	0	---	4.56	1961
1962	---	---	---	0	3.76	9.31	8.76	6.61	1.72	2.58	0	---	4.12	1962
1963	---	---	---	0	4.99	9.51	5.15	7.63	1.90	3.00	0	---	4.04	1963
1964	---	---	---	0	1.97	7.73	8.76	7.39	2.07	2.21	0	---	3.79	1964
1965	---	---	---	0	1.00	8.38	5.05	7.27	1.27	2.27	0	---	3.17	1965
1966	---	---	---	0	1.56	6.21	7.08	6.09	1.62	1.66	0	---	3.04	1966
1967	---	---	---	0	0.236	4.17	10.3	6.99	2.40	3.10	0	---	3.43	1967
1968	---	---	---	0.157	4.80	7.02	9.58	4.89	1.86	1.68	0	---	3.72	1968
1969	---	---	---	0	1.65	10.9	6.38	6.75	2.04	1.44	0	---	3.64	1969
1970	---	---	---	0	1.38	6.51	3.98	6.60	3.18	1.11	0	---	2.84	1970
1971	---	---	---	0	1.21	5.80	8.70	8.53	3.47	1.05	0	---	3.62	1971
1972	---	---	---	0	3.06	10.3	9.29	6.95	3.20	1.07	0	---	4.25	1972
1973	---	---	---	0	2.83	5.61	9.38	6.56	3.17	0.893	0	---	3.58	1973
1974	---	---	---	0	0.662	7.31	9.43	8.16	3.72	1.33	0	---	3.85	1974
1975	---	---	---	0	0.231	1.53	10.2	5.35	3.92	1.41	0	---	2.86	1975
1976	---	---	---	0	4.98	10.1	8.82	4.60	2.71	1.54	0	---	4.10	1976
1977	---	---	---	0.848	4.55	9.79	10.8	4.66	1.69	0.650	0	---	4.10	1977
1978	---	---	---	0.008	0.390	3.69	12.0	4.88	1.15	0.812	0	---	2.90	1978
1979	---	---	---	0	0.713	8.42	11.8	5.75	4.27	1.84	0.006	---	4.11	1979
1980	---	---	---	0	3.28	8.27	12.1	5.05	2.47	1.58	0	---	4.12	1980
1981	---	---	---	0	1.51	8.08	10.1	6.01	4.27	1.98	0	---	4.01	1981
1982	---	---	---	0	2.25	8.64	8.99	6.89	3.88	1.46	0	---	4.03	1982
MEAN	---	---	---	0.032	1.77	6.17	7.32	4.86	2.31	1.41	0.010	---	3.00	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W REGULATED

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.79 ON AUG 2	0 ON APR 1 *	19 200	1914
1915	---	1.93 ON MAY 12	0E ON APR 1	18 600	1915
1916	---	1.78 ON MAY 24	0 ON APR 1	12 500	1916
1917	---	4.19 ON JUL 25	0 ON APR 1	17 600	1917
1918	---	6.91 ON JUL 3	0 ON APR 1	45 500	1918
1919	---	12.6 ON JUL 3	0 ON APR 1	45 900	1919
1920	---	8.38 ON JUN 24	0 ON APR 1	35 500	1920
1921	---	13.1 ON JUN 28	0 ON APR 1	60 600	1921
1922	---	10.5 ON JUN 28	0 ON APR 1	57 400	1922
1923	---	7.90 ON JUL 28	0 ON APR 1	26 600	1923
1924	---	10.6 ON JUL 22	0 ON APR 1	58 900	1924
1925	---	9.12 ON JUL 6	0 ON APR 1	53 000	1925
1926	---	9.91 ON JUL 19	0 ON APR 1	65 100	1926
1927	---	2.86 ON AUG 20	0 ON APR 1	19 000	1927
1928	---	7.31 ON JUN 8	0 ON APR 1	30 000	1928
1929	---	10.3 ON JUN 21	0 ON APR 1	64 800	1929
1930	---	11.9 ON JUN 20	0 ON APR 1	62 600	1930
1945	---	12.0 ON JUN 26	0 ON APR 1	91 200	1945
1946	---	12.0 ON JUL 28	0 ON APR 1	81 500	1946
1947	---	11.7 ON JUL 20	0 ON APR 1	77 800	1947
1948	---	9.97 ON JUL 3	0 ON APR 1	60 400	1948
1949	---	11.9 ON JUN 25	0E ON APR 1	90 700	1949
1950	---	12.5 ON JUN 22	0 ON APR 1	67 600	1950
1951	---	9.26 ON JUL 23	0 ON APR 1	44 100	1951
1952	---	9.83 ON JUN 10	0 ON APR 1	59 200	1952
1953	---	8.10 ON JUL 26	0 ON APR 1	38 600	1953
1954	---	13.3 ON AUG 1	0 ON APR 1	49 300	1954
1955	---	8.27 ON JUN 28	0 ON APR 1	49 000	1955
1956	---	11.0 ON JUN 11	0 ON APR 1	63 500	1956
1957	---	12.9 ON JUN 8	0 ON APR 1	71 900	1957
1958	---	12.3 ON JUN 27	0 ON APR 1	70 000	1958
1959	---	11.1 ON JUL 22	0 ON APR 1	62 100	1959
1960	---	12.9 ON JUN 11	0 ON APR 1	88 000	1960
1961	---	13.8 ON JUN 11	0 ON APR 1	96 100	1961
1962	---	10.9 ON JUL 7	0 ON APR 1	86 800	1962
1963	---	12.8 ON MAY 31	0 ON APR 1	85 300	1963
1964	---	15.3 ON JUL 25	0 ON APR 1	79 900	1964
1965	---	14.2 ON JUN 16	0 ON APR 1	66 800	1965
1966	---	11.1 ON AUG 4	0 ON APR 1	64 100	1966
1967	---	13.0 ON JUL 20	0 ON APR 1	72 300	1967
1968	---	13.1 ON JUL 17	0 ON APR 1	78 300	1968
1969	---	13.0 ON JUN 7	0 ON APR 1	76 800	1969
1970	---	14.3 ON JUN 10	0 ON APR 1	59 900	1970
1971	---	14.2 ON AUG 6	0 ON APR 1	76 300	1971
1972	---	14.1 ON JUN 9	0 ON APR 1	89 600	1972
1973	---	12.9 ON AUG 2	0 ON APR 1	75 400	1973
1974	---	13.6 ON AUG 8	0E ON APR 1	81 100	1974
1975	---	15.2 ON JUL 15	0E ON APR 1	60 100	1975
1976	---	12.9 ON JUN 6	0E ON APR 1	86 400	1976
1977	---	13.2 ON JUN 29	0A ON APR 1	86 500	1977
1978	---	15.1 ON JUL 18	0E ON APR 1	61 100	1978
1979	---	14.8 ON JUL 26	0E ON APR 1	86 600	1979
1980	---	17.9 ON JUL 20 *	0 ON APR 1	86 800	1980
1981	---	15.8 ON JUL 21	0 ON APR 1	84 400	1981
1982	---	14.2 ON JUL 27	0 ON APR 1	84 900	1982
				63 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	0.367	2.94	5.77	2.55	1.05	1.70	---	---	2.40	1955
1956	---	---	---	---	0.420	4.50	5.61	1.62	1.57	1.19	---	---	2.48	1956
1957	---	---	---	---	1.18	5.07	7.68	2.55	1.13	1.04	---	---	3.11	1957
1958	---	---	---	---	2.13	7.37	5.04	2.38	0.866	0.896	---	---	3.10	1958
1959	---	---	---	---	0.935	6.05	5.75	2.78	1.30	1.08	---	---	2.98	1959
1960	---	---	---	---	0.829	8.08	7.10	1.85	1.60	1.92	---	---	3.55	1960
1961	---	---	---	---	3.73	7.84	6.83	4.20	1.96	2.45	---	---	4.50	1961
1962	---	---	---	---	3.01	7.90	5.51	4.77	0.792	2.62	---	---	4.10	1962
1963	---	---	---	---	5.22	6.31	3.00	3.73	1.83	2.84	---	---	3.82	1963
1964	---	---	---	---	1.28	4.65	6.93	3.84	0.727	1.49	---	---	3.16	1964
1965	---	---	---	---	0.822	2.94	2.25	2.69	0.553	1.07	---	---	1.72	1965
1966	---	---	---	---	1.00	3.84	6.50	2.56	0.815	1.42	---	---	2.69	1966
1967	---	---	---	---	0.324	1.98	8.00	4.23	1.49	3.45	---	---	3.26	1967
1968	---	---	---	0.071	1.73	6.14	7.39	3.10	0.815	1.07	---	---	3.37	1968
1969	---	---	---	---	1.49	7.27	6.22	3.54	1.71	2.86	---	---	3.84	1969
1970	---	---	---	---	2.04	3.67	3.83	4.53	2.34	1.76	---	---	3.03	1970
1971	---	---	---	0	1.70	6.75	7.95	3.90	2.31	1.64	0	---	4.04	1971
MEAN	---	---	---	0.036	1.66	5.49	5.96	3.22	1.34	1.79	0	---	3.24	MEAN

LOCATION - LAT 50 22 25 N
LONG 111 52 50 W   REGULATED

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	6.97 ON JUN 28	0 ON MAY 1 *	38 200	1955
1956	---	7.22 ON JUN 15	0 ON MAY 1	39 400	1956
1957	---	8.75 ON JUL 15	0 ON MAY 1	49 400	1957
1958	---	8.55 ON JUN 2	0 ON MAY 1	49 300	1958
1959	---	9.94 ON JUN 22	0 ON MAY 1	47 300	1959
1960	---	9.37 ON JUN 15	0 ON MAY 1	56 400	1960
1961	---	8.83 ON JUN 7	0 ON SEP 8	71 400	1961
1962	---	9.06 ON JUN 5	0.003E ON MAY 1	65 300	1962
1963	---	9.80 ON MAY 28	0 ON OCT 20	60 800	1963
1964	---	8.98 ON JUN 10	0 ON AUG 24	50 300	1964
1965	---	7.56 ON JUN 15	0 A ON MAY 1	27 300	1965
1966	---	8.81 ON JUL 15	0 ON MAY 1	42 800	1966
1967	---	9.09 ON JUL 21	0 ON MAY 1	51 800	1967
1968	---	10.1 ON JUN 28 *	0 ON OCT 27	53 600	1968
1969	---	8.98 ON JUN 19	0 ON MAY 1	61 000	1969
1970	---	9.06 ON JUN 10	0 ON MAY 1	48 100	1970
1971	---	9.80 ON JUN 25	0 ON MAY 1	64 100	1971
				51 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0.209	1.44	4.03	2.21	1.37	0.916	0	---	1.28	1917
1918	---	---	---	0	1.42	5.71	5.52	3.11	1.96	2.47	0.416	---	2.59	1918
1919	---	---	---	0	0.934	6.67	10.4	2.76	2.01	1.53	0	---	3.05	1919
1920	---	---	---	0	0.503	7.97	11.1	5.60	3.95	0.285	0	---	3.69	1920
1921	---	---	---	0	1.17	15.8	20.3	7.74	6.01	2.20	0	---	6.66	1921
1922	---	---	---	0	1.53	14.7	20.9	9.57	6.01	0.521	0	---	6.68	1922
1923	---	---	---	0	5.60	6.54	8.21	6.58	5.44	0.734	0	---	4.16	1923
1924	---	---	---	0.373	9.12	15.5	19.5	8.37	6.42	2.13	0	---	7.71	1924
1925	---	---	---	0	3.27	13.5	17.3	11.1	7.91	0.002	0	---	6.65	1925
1926	---	---	---	0	5.94	18.1	18.4	12.6	10.3	0.180	0	---	8.20	1926
1927	---	---	---	0	0.846	6.41	8.59	7.78	6.52	0	0	---	3.78	1927
1928	---	---	---	0	7.99	14.4	8.20	8.16	7.98	0.192	0	---	5.87	1928
1929	---	---	---	0.873	6.04	14.6	18.7	12.1	10.0	5.55	0	---	8.51	1929
1930	---	---	---	0.496	4.90	18.8	17.8	12.3	10.4	0	0	---	8.10	1930
1945	---	---	---	0	5.40	17.5	22.5	16.5	9.41	7.48	0	---	9.90	1945
1946	---	---	---	0	11.2	19.0	21.3	14.8	9.29	5.04	0	---	10.1	1946
1947	---	---	---	0	3.27	13.3	26.7	14.4	7.40	4.71	0	---	8.79	1947
1948	---	---	---	0	0.222	13.0	24.3	6.40	5.94	5.32	0	---	6.94	1948
1949	---	---	---	0.410	11.0	21.4	24.5	12.3	5.52	6.91	0	---	10.3	1949
1950	---	---	---	0	3.51	21.3	21.8	8.91	4.35	4.17	0	---	8.03	1950
1951	---	---	---	0	0.384	3.29	12.6	11.9	0	3.26	0	---	3.98	1951
1952	---	---	---	0	2.67	16.2	11.8	7.93	5.10	4.29	0	---	6.01	1952
1953	---	---	---	0	0.365	0.608	8.53	9.62	1.51	5.75	0	---	3.34	1953
1954	---	---	---	0	1.33	7.50	19.8	9.25	2.18	4.50	0	---	5.63	1954
1955	---	---	---	0	1.09	11.0	19.5	13.3	3.98	5.40	0	---	6.84	1955
1956	---	---	---	0	2.06	16.9	19.2	6.63	7.20	6.64	0	---	7.36	1956
1957	---	---	---	0	5.62	18.6	21.8	12.2	5.18	5.41	0	---	8.65	1957
1958	---	---	---	0	8.47	22.0	12.0	13.1	3.52	3.71	0	---	7.88	1958
1959	---	---	---	0	2.79	12.6	15.1	9.43	3.74	3.22	0	---	5.89	1959
1960	---	---	---	0	3.21	17.3	20.5	11.4	4.83	4.14	0.001	---	7.69	1960
1961	---	---	---	0.001	4.48	24.3	20.9	13.7	6.28	5.77	0	---	9.46	1961
1962	---	---	---	0.056	4.67	21.6	19.1	12.8	1.74	3.98	0	---	8.03	1962
1963	---	---	---	0	9.83	20.0	10.1	14.1	2.41	4.43	0	---	7.63	1963
1964	---	---	---	0.001	4.98	14.7	18.3	12.6	3.94	3.81	0	---	7.33	1964
1965	---	---	---	0	3.59	12.5	10.4	13.8	2.02	4.20	0	---	5.85	1965
1966	---	---	---	0.260	3.19	14.2	14.7	9.23	2.64	4.32	0	---	6.10	1966
1967	---	---	---	0	0.142	5.38	20.2	14.4	5.33	7.69	0	---	6.71	1967
1968	---	---	---	0.089	6.89	14.4	18.0	9.32	2.08	3.29	0.005	---	6.80	1968
1969	---	---	---	0	3.71	19.6	12.4	12.6	4.41	3.72	0	---	7.08	1969
1970	---	---	---	0	4.48	12.6	12.0	12.1	5.65	3.71	0	---	6.34	1970
1971	---	---	---	0	2.93	13.6	18.4	16.2	6.09	2.62	0	---	7.51	1971
1972	---	---	---	0.003	6.73	18.6	20.1	15.4	6.31	3.42	0	---	8.85	1972
1973	---	---	---	0.001	6.25	9.82	20.8	13.6	5.71	3.70	0.005	---	7.55	1973
1974	---	---	---	0	0.978	17.3	19.8	16.0	7.68	4.78	0	---	8.35	1974
1975	---	---	---	0	1.18	4.36	20.5	13.7	5.37	2.54	0	---	6.00	1975
1976	---	---	---	0	9.92	22.3	18.8	7.75	5.55	4.14	0	---	8.58	1976
1977	---	---	---	1.19	7.00	20.4	23.1	7.39	3.99	1.88	0.002	---	8.03	1977
1978	---	---	---	0.003	1.46	7.49	20.3	8.72	1.62	2.43	0.011	---	5.30	1978
1979	---	---	---	0	2.24	13.4	21.1	10.3	6.73	3.06	0	---	7.15	1979
1980	---	---	---	0.250	9.26	12.9	21.0	8.98	6.48	2.91	0	---	7.77	1980
1981	---	---	---	0	2.21	14.4	18.1	11.1	8.83	3.96	0	---	7.34	1981
1982	---	---	---	0	4.54	17.9	11.0	13.3	4.93	2.52	0	---	6.79	1982
MEAN	---	---	---	0.077	4.09	13.9	16.9	10.7	5.20	3.45	0.008	---	6.82	MEAN

LOCATION - LAT 50 43 20 N
LONG 112 20 20 W   REGULATED

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1917	---	4.30 ON JUL 22	0 ON APR 1 *	27 000	1917
1918	---	9.85 ON JUN 17	0 ON APR 1	54 500	1918
1919	---	14.3 ON JUL 15	0 ON APR 1	64 400	1919
1920	---	16.7 ON JUL 4	0 ON APR 1	77 800	1920
1921	---	25.2 ON JUL 3	0 ON APR 1	141 000	1921
1922	---	25.7 A ON JUN 30	0 ON APR 1	141 000	1922
1923	---	14.9 ON JUL 29	0 ON APR 1	87 700	1923
1924	---	20.2 ON JUL 22	0 ON APR 1	163 000	1924
1925	---	19.8 ON JUL 6	0 ON APR 1	140 000	1925
1926	---	20.8 ON JUN 20	0 ON APR 1	173 000	1926
1927	---	9.06 ON AUG 9	0 ON APR 1	79 600	1927
1928	---	19.7 ON JUN 2	0 ON APR 1	124 000	1928
1929	---	20.1 ON JUL 1	0 ON APR 1	179 000	1929
1930	---	24.6 ON JUN 23	0 ON APR 1	171 000	1930
1945	---	29.7 ON JUN 26	0 ON APR 1	209 000	1945
1946	---	29.4 ON JUN 22	0 ON APR 1	214 000	1946
1947	---	27.8 ON JUL 22	0 ON APR 1	185 000	1947
1948	---	28.3 ON JUL 13	0 ON APR 1	146 000	1948
1949	---	28.6 ON JUN 20	0 ON APR 1	217 000	1949
1950	---	27.9 ON JUN 19	0 ON APR 1	169 000	1950
1951	---	24.6 ON JUL 31	0 ON APR 1	83 900	1951
1952	---	23.0 ON JUN 11	0 ON APR 1	127 000	1952
1953	---	14.8 E ON JUL 23	0 ON APR 1	70 500	1953
1954	---	25.8 ON JUL 22	0 ON APR 1	119 000	1954
1955	---	24.4 ON JUL 25	0 ON APR 1	144 000	1955
1956	---	24.2 ON JUN 15	0E ON APR 1	155 000	1956
1957	---	25.4 ON JUL 11	0E ON APR 1	182 000	1957
1958	---	27.9 ON JUN 12	0E ON APR 1	166 000	1958
1959	---	23.1 ON JUL 19	0E ON APR 1	124 000	1959
1960	---	23.4 ON JUL 24	0 ON APR 1	162 000	1960
1961	---	25.7 ON JUN 13	0E ON APR 1	200 000	1961
1962	---	25.7 ON JUL 4	0E ON APR 1	169 000	1962
1963	---	28.6 ON JUN 8	0E ON APR 1	161 000	1963
1964	---	26.3 ON JUL 25	0E ON APR 1	154 000	1964
1965	---	23.4 ON JUL 30	0 ON APR 1	123 000	1965
1966	---	20.5 ON JUN 24	0E ON APR 1	128 000	1966
1967	---	26.6 ON JUL 30	0 ON APR 1	181 000	1967
1968	---	26.4 ON JUN 25	0E ON APR 1	143 000	1968
1969	---	24.1 ON JUN 28	0E ON APR 1	149 000	1969
1970	---	28.9 ON JUN 10	0 ON APR 1	134 000	1970
1971	---	27.3 ON AUG 4	0 ON APR 1	158 000	1971
1972	---	23.7 ON JUN 9	0E ON APR 1	187 000	1972
1973	---	26.6 ON JUL 28	0 ON APR 1	159 000	1973
1974	---	29.2 ON JUL 30	0E ON APR 1	176 000	1974
1975	---	30.3 ON JUL 19 *	0E ON APR 1	127 000	1975
1976	---	25.3 ON JUN 15	0E ON APR 1	181 000	1976
1977	---	27.3 ON JUL 25	0A ON APR 1	169 000	1977
1978	---	28.1 ON JUL 14	0 ON MAY 1	112 000	1978
1979	---	25.2 ON JUL 24	0E ON APR 1	151 000	1979
1980	---	24.0 ON JUL 14	0E ON APR 1	164 000	1980
1981	---	26.9 ON JUL 19	0 ON APR 1	155 000	1981
1982	---	29.2 ON JUN 26	0E ON APR 1	143 000	1982
				144 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.285	0.915	1.03	0.240	0.277	0.369	0.107	---	0.519	1918
1955	---	---	---	---	0.008	2.84	4.78	2.51	0.494	0.917	0	---	1.93	1955
1956	---	---	---	---	0.108	3.72	4.59	0.583	0.820	1.10	0	---	1.82	1956
1957	---	---	---	---	1.22	4.30	6.42	1.55	0.724	0.733	0	---	2.49	1957
1958	---	---	---	---	1.64	4.40	3.50	1.97	1.15	0.615	0	---	2.21	1958
1959	---	---	---	---	0.229	4.09	6.04	1.51	0.718	0.331	0	---	2.15	1959
1960	---	---	---	---	0.505	5.66	6.58	1.64	1.25	1.32	0	---	2.82	1960
1961	---	---	---	---	3.21	6.60	5.98	2.91	1.47	1.77	0	---	3.65	1961
1962	---	---	---	---	2.40	6.01	4.81	3.55	0.629	1.41	0	---	3.13	1962
1963	---	---	---	---	3.50	5.57	1.55	2.61	0.534	0.979	0	---	2.45	1963
1964	---	---	---	---	1.31	3.71	4.78	3.12	0.953	0.557	0	---	2.41	1964
1965	---	---	---	---	0.922	3.66	2.27	3.24	0.480	0.801	0	---	1.89	1965
1966	---	---	---	---	1.22	4.56	5.49	2.14	0.644	1.17	0	---	2.54	1966
1967	---	---	---	---	0.048	2.05	5.98	4.26	1.25	2.56	0	---	2.70	1967
1968	---	---	---	0.362	4.19	5.06	5.77	2.15	1.14	1.12	0.001	---	3.24	1968
1969	---	---	---	---	0.722	5.67	4.37	3.66	0.977	1.58	0	---	2.83	1969
1970	---	---	---	---	1.84	2.56	2.99	3.02	2.54	0.066	0	---	2.16	1970
1971	---	---	---	0	0.835	4.20	6.30	3.77	0.870	0.549	0	---	2.76	1971
MEAN	---	---	---	0.181	1.34	4.20	4.62	2.47	0.940	0.997	0.006	---	2.43	MEAN

LOCATION - LAT 50 32 05 N
LONG 111 49 10 W REGULATED

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	1.73 ON JUN 10	0 ON MAY 1 *	8 260	1918
1955	---	5.78 ON JUL 6	0 ON MAY 1	30 600	1955
1956	---	6.20 ON JUN 29	0 ON MAY 1	28 900	1956
1957	---	7.02 ON JUL 12	0 ON MAY 1	39 600	1957
1958	---	5.78 ON JUN 19	0 ON MAY 1	35 100	1958
1959	---	7.45 ON JUN 25	0 ON MAY 1	34 200	1959
1960	---	8.30 ON JUL 15	0 ON MAY 1	44 800	1960
1961	---	7.33 ON JUN 28	0 ON MAY 18	58 000	1961
1962	---	6.65 ON JUN 25	0 ON MAY 1	49 800	1962
1963	---	7.33 ON JUN 20	0 ON MAY 1	38 900	1963
1964	---	5.89 ON JUL 30	0 ON MAY 1	38 300	1964
1965	---	5.72 ON JUN 11	0 ON MAY 1	30 100	1965
1966	---	9.37 ON JUN 29 *	0E ON MAY 1	40 300	1966
1967	---	7.08 ON JUL 18	0 ON MAY 1	42 900	1967
1968	---	7.50 ON JUL 5	0 ON SEP 15	51 400	1968
1969	---	7.33 ON JUN 26	0 ON MAY 1	44 900	1969
1970	---	5.95 ON JUN 6	0 ON MAY 1	34 400	1970
1971	---	6.97 ON JUL 23	0 ON MAY 1	43 900	1971
				38 600	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	2.37	2.03	12.9	31.6	12.7	6.42	4.61	3.61	---	---	9.49	1967
1968	---	---	1.95	2.07	6.29	17.9	10.8	7.38	5.86	5.49	3.70	2.89	7.20	1968
1969	2.70	2.17	1.87	2.84	11.8	21.0	20.1	6.88	4.84	3.83	3.31	2.69	9.15	1969
1970	2.10	2.13	1.80	1.85	8.40	22.8	9.07	4.65	4.01	3.48	2.59	2.19	6.98	1970
1971	2.10	1.88	1.67	2.26	10.6	20.1	8.35	5.19	3.77	3.54	2.84	2.21	6.90	1971
1972	2.18	1.78	2.05	2.22	10.9	22.8	12.4	8.51	6.24	4.46	3.43	2.69	8.67	1972
1973	2.22	2.16	2.04	2.18	9.86	19.2	9.50	5.49	6.47	3.99	2.92	2.46	7.32	1973
1974	2.10	1.68	1.79	2.45	8.95	29.7	14.6	9.35	7.37	4.38	3.49	2.61	9.78	1974
1975	1.59	2.31	1.81	2.03	6.04	18.3	13.9	6.46	4.42	3.66	2.74	2.40	7.05	1975
1976	1.92	1.73	1.68	2.06	8.68	9.14	8.42	10.7	6.17	4.26	3.13	2.68	6.39	1976
1977	2.15	1.97	1.78	1.99	4.87	7.22	4.05	6.07	4.33	3.41	---	---	4.21	1977
1978	---	---	1.45	1.96	7.23	18.3	12.1	6.51	5.58	4.63	---	---	7.20	1978
1979	---	---	1.97	2.28	7.99	10.7	6.58	4.32	3.45	2.69	---	---	4.99	1979
1980	---	---	1.49	2.22	9.71	22.2	6.83	7.18	6.00	4.67	---	---	7.51	1980
1981	---	---	1.87	2.06	18.5	23.5	17.3	9.24	5.00	3.76	---	---	10.2	1981
1982	---	---	1.72	1.95	4.15	17.3	7.82	4.38	3.75	3.96	---	---	5.61	1982
MEAN	2.12	1.98	1.83	2.15	9.18	19.5	10.9	6.80	5.12	3.99	3.13	2.54	7.42	MEAN

LOCATION - LAT 50 51 20 N   DRAINAGE AREA, 437 km^2
LONG 114 47 37 W   NATURAL FLOW

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	159 AT 22:30 MST ON MAY 30 *	105 ON MAY 31 *	1.64B ON APR 20	201 000	1967
1968	33.1 AT 00:31 MST ON JUN 3	27.3 ON JUN 10	1.85 ON APR 4	152 000	1968
1969	65.1 AT 09:20 MST ON JUN 29	57.8 ON JUN 29	1.76B ON MAR 1	194 000	1969
1970	56.9 AT 16:48 MST ON JUN 16	52.1 ON JUN 16	1.68 ON MAR 7	148 000	1970
1971	58.6 AT 05:00 MST ON JUN 6	49.0 ON JUN 6	1.60 ON MAR 8	146 000	1971
1972	43.6 AT 01:30 MST ON JUN 1	38.8 ON JUN 1	1.64B ON MAR 1	183 000	1972
1973	38.8 AT 04:30 MST ON JUN 7	31.7 ON JUN 7	1.97 ON APR 2	155 000	1973
1974	61.4 AT 01:00 MST ON JUN 17	52.7 ON JUN 17	1.70 ON MAR 11	207 000	1974
1975	46.7 AT 23:30 MST ON JUN 19	39.4 ON JUN 20	1.68B ON MAR 29	149 000	1975
1976	30.0 AT 03:00 MST ON AUG 6	24.8 ON AUG 6	1.53 ON MAR 30	135 000	1976
1977	16.2 AT 10:00 MST ON AUG 13	13.6 ON AUG 14	1.72 ON MAR 28	89 100	1977
1978	45.0 AT 22:00 MST ON JUN 5	35.7 ON JUN 6	1.22 ON MAR 23 *	152 000	1978
1979	31.5 AT 23:00 MST ON MAY 26	23.2 ON MAY 27	1.85B ON MAR 22	106 000	1979
1980	46.8 AT 00:30 MST ON JUN 11	38.0 ON JUN 11	1.43 ON MAR 30	159 000	1980
1981	76.6 AT 00:30 MST ON MAY 26	62.1 ON MAY 26	1.70E ON MAR 1	215 000	1981
1982	28.4 AT 23:20 MST ON JUN 13	25.0 ON JUN 16	1.60 ON MAR 20	119 000	1982
				157 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	19.0	10.3	7.44	6.73	4.24	4.42	2.91	---	1933
1934	3.65	3.11	3.43	4.74	10.0	14.2	8.69	4.75	4.32	4.07	3.70	2.40	5.59	1934
1935	2.32	2.69	2.36	5.81	9.32	17.0	9.51	8.10	4.45	4.10	3.46	2.47	5.98	1935
1936	1.99	1.80	2.71	5.82	6.11	13.1	4.18	3.82	3.68	3.25	2.88	1.77	4.25	1936
1937	1.97	1.89	2.22	3.24	5.00	22.7	13.6	8.13	6.34	7.01	5.90	3.41	6.80	1937
1938	3.24	2.49	3.39	5.10	20.0	25.5	22.8	8.72	6.37	5.64	4.74	2.75	9.27	1938
1939	3.04	2.24	3.40	4.15	5.21	32.2	14.3	6.01	6.22	6.58	5.95	3.83	7.77	1939
1940	2.44	2.95	3.09	9.45	14.3	11.1	8.20	4.80	15.7	7.75	4.83	3.71	7.35	1940
1941	2.74	2.74	3.82	3.64	4.47	14.9	5.48	5.86	9.16	6.97	4.67	3.10	5.63	1941
1942	2.75	2.47	2.96	3.94	30.6	41.8	31.6	20.3	18.7	12.6	6.75	4.72	15.0	1942
1943	3.01	4.90	5.30	15.2	11.0	20.7	18.7	8.35	5.42	5.04	4.18	3.22	8.75	1943
1944	2.48	2.63	2.77	4.24	5.37	15.0	9.51	10.9	6.71	5.01	3.91	2.68	5.93	1944
1945	2.57	2.38	3.03	3.79	20.7	42.9	23.3	10.9	9.92	10.7	6.56	4.44	11.8	1945
1946	3.91	3.46	5.67	6.32	11.1	25.0	13.1	10.7	14.1	8.41	5.92	4.79	9.39	1946
1947	3.98	3.45	8.03	10.8	24.7	30.4	15.5	11.3	12.2	10.6	7.79	5.52	12.1	1947
1948	4.33	3.03	3.77	13.3	44.3	39.4	19.3	16.4	7.79	5.99	4.72	2.38	13.8	1948
1949	3.40	3.20	3.53	6.88	9.87	12.4	6.98	4.78	4.70	4.96	3.93	2.66	5.61	1949
1950	2.90	2.93	2.73	6.24	9.65	22.2	16.8	11.2	5.65	4.75	3.48	3.22	7.67	1950
1951	2.30	2.73	3.45	6.13	27.9	43.5	43.1	26.3	35.7	19.9	12.1	5.61	19.1	1951
1952	5.09	5.03	5.27	23.5	19.5	32.9	26.9	17.3	11.8	8.60	6.71	3.91	13.9	1952
1953	3.50	3.94	4.51	9.68	24.8	64.1	27.6	11.8	7.88	6.23	4.79	4.06	14.4	1953
1954	3.04	4.17	3.10	6.06	23.3	31.8	20.8	19.0	13.7	11.6	8.36	5.85	12.6	1954
1955	3.89	3.81	3.64	9.21	25.4	26.7	22.5	8.32	5.67	5.44	3.84	3.70	10.2	1955
1956	3.47	2.78	3.69	5.47	16.4	18.6	19.8	8.60	6.95	5.00	3.95	3.05	8.17	1956
1957	2.50	2.75	3.66	6.41	20.2	19.9	8.90	6.20	6.22	6.13	5.71	3.70	7.71	1957
1958	3.17	2.72	3.00	13.2	24.2	23.3	32.0	13.0	8.66	5.80	4.50	3.71	11.5	1958
1959	2.60	3.09	3.47	5.02	12.6	24.6	14.3	7.53	8.24	6.68	5.16	3.94	8.12	1959
1960	2.79	3.58	6.11	5.13	12.7	20.0	11.9	7.48	4.61	4.32	3.45	2.88	7.09	1960
1961	2.52	2.43	3.22	3.73	18.9	21.2	11.6	11.0	6.74	10.8	6.38	3.34	8.52	1961
1962	3.67	3.52	3.65	9.95	12.6	19.1	8.36	5.30	6.36	4.59	3.55	2.50	6.92	1962
1963	2.30	3.64	3.42	3.68	7.98	30.6	25.6	7.85	5.70	5.28	4.29	3.22	8.65	1963
1964	2.70	3.09	2.42	4.41	18.7	36.3	14.2	6.68	6.12	6.19	4.49	2.98	9.02	1964
1965	3.17	3.39	3.68	10.8	8.56	34.9	31.6	19.6	17.9	10.2	6.62	5.15	13.3	1965
1966	3.93	4.11	5.85	5.80	16.8	23.0	15.4	8.87	6.21	5.90	4.41	3.11	8.64	1966
1967	2.58	2.92	2.98	7.20	24.1	48.9	15.6	7.87	4.68	4.89	3.53	2.96	10.7	1967
1968	2.66	2.64	3.90	3.86	10.1	26.5	14.5	10.9	9.24	10.3	4.50	2.95	8.51	1968
1969	3.24	3.41	4.08	13.3	24.1	37.2	36.3	7.88	6.11	5.05	4.61	3.10	12.4	1969
1970	2.90	2.83	3.59	4.58	15.6	33.0	12.5	5.69	5.08	4.30	3.28	3.01	8.03	1970
1971	2.60	2.65	2.54	11.0	15.9	30.0	9.84	5.57	5.01	4.69	3.58	2.29	7.96	1971
1972	2.91	2.74	5.91	5.88	16.4	29.8	17.0	9.74	7.10	5.32	4.12	3.11	9.18	1972
1973	3.24	3.18	5.41	6.47	17.8	26.8	10.3	6.23	7.40	5.10	3.84	3.37	8.28	1973
1974	2.38	2.82	2.64	8.95	23.6	37.0	14.5	10.8	7.37	4.87	3.97	2.97	10.2	1974
1975	2.58	3.23	3.31	5.75	9.53	22.5	13.8	7.06	5.57	4.87	3.31	2.98	7.05	1975
1976	2.21	2.77	3.18	5.59	12.6	11.0	8.94	18.4	7.67	6.04	4.24	3.73	7.22	1976
1977	3.03	3.49	3.31	4.82	8.15	8.55	5.32	7.92	6.29	5.51	3.90	2.74	5.26	1977
MEAN	2.99	3.09	3.75	7.23	16.1	26.7	16.6	9.90	8.40	6.77	4.87	3.42	9.21	MEAN

LOCATION - LAT 51 00 00 N, LONG 114 06 00 W

DRAINAGE AREA, 1 220 km^2

NATURAL FLOW

DATA CONTRIBUTED BY - CITY OF CALGARY WATER WORKS DEPARTMENT

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	24.4 ON JUN 10	0.453 ON DEC 28	177 000	1934
1935	---	29.2 ON JUN 18	0.821 ON JAN 1	189 000	1935
1936	---	32.3 ON JUN 2	0.793 ON DEC 6	134 000	1936
1937	---	53.2 ON JUN 14	0.934 ON FEB 13	214 000	1937
1938	---	60.3 ON JUL 3	0.623 ON DEC 29	293 000	1938
1939	---	90.6 ON JUN 17	1.19 ON DEC 26	245 000	1939
1940	---	36.2 ON SEP 6	1.02 ON JAN 17	233 000	1940
1941	---	39.1 ON JUN 2	0.850 ON JAN 17	178 000	1941
1942	---	127 ON MAY 11	0.538 ON JAN 8	472 000	1942
1943	---	31.1 ON APR 4	0.453 ON JAN 18	276 000	1943
1944	---	23.9 ON JUN 13	0.340 ON JAN 12	188 000	1944
1945	---	74.8 ON JUN 1	0.821 ON JAN 4	372 000	1945
1946	---	50.7 ON JUN 7	1.98 ON JAN 27	296 000	1946
1947	---	68.2 ON MAY 11	1.22 ON FEB 3	380 000	1947
1948	---	127 ON MAY 23	0.850 ON DEC 15	435 000	1948
1949	---	19.7 ON MAY 22	1.10 ON DEC 20	177 000	1949
1950	---	35.1 ON JUN 16	1.53 ON NOV 14	242 000	1950
1951	---	137 ON AUG 31	1.42 ON JAN 5	603 000	1951
1952	---	79.0 ON JUN 23	2.66 ON DEC 28	439 000	1952
1953	---	132 ON JUN 4	1.59 ON JAN 8	455 000	1953
1954	---	48.1 ON AUG 25	1.05 ON JAN 18	397 000	1954
1955	---	45.9 ON MAY 20	1.70 ON MAR 25	322 000	1955
1956	---	37.4 ON JUL 4	0.198 ON DEC 5 *	258 000	1956
1957	---	30.3 ON JUN 9	0.934 ON JAN 9	243 000	1957
1958	---	54.9 ON JUL 14	1.27 ON DEC 7	363 000	1958
1959	---	49.3 ON JUN 27	0.765 ON JAN 4	256 000	1959
1960	---	30.0 ON JUN 4	1.13 ON DEC 20	224 000	1960
1961	---	51.0 ON MAY 27	0.793 ON FEB 18	269 000	1961
1962	---	27.8 ON JUN 17	0.963 ON DEC 31	218 000	1962
1963	---	124 ON JUN 30	1.02 ON DEC 21	273 000	1963
1964	---	62.9 ON JUN 9	1.27 ON JAN 12	285 000	1964
1965	---	104 ON JUN 18	2.01 ON DEC 29	420 000	1965
1966	---	36.5 ON JUL 3	1.30 ON JAN 7	272 000	1966
1967	---	199 ON MAY 31 *	1.13 ON DEC 22	336 000	1967
1968	---	51.3 ON JUN 8	1.05 ON JAN 9	269 000	1968
1969	---	125 ON JUN 30	1.44 ON DEC 25	391 000	1969
1970	---	97.1 ON JUN 14	0.878 ON JAN 7	253 000	1970
1971	---	85.2 ON JUN 6	0.963 ON DEC 12	251 000	1971
1972	---	41.9 ON JUN 1	1.64 ON DEC 8	290 000	1972
1973	---	45.3 ON MAY 27	2.12 ON DEC 15	261 000	1973
1974	---	62.0 ON JUN 18	1.13 ON JAN 9	321 000	1974
1975	---	49.0 ON JUN 21	0.765 ON JAN 11	222 000	1975
1976	---	37.9 ON AUG 6	0.821 ON MAR 4	228 000	1976
1977	---	16.3 ON AUG 15	1.42 ON DEC 10	166 000	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		291 000	MEAN

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	8.72	13.9	11.1	---	---	---	---	---	---	1935
1936	---	---	---	---	---	5.81	2.32	---	---	---	---	---	---	1936
1937	---	---	---	---	4.52	20.5	12.9	5.02	---	---	---	---	---	1937
1938	---	---	---	---	21.9	27.0	27.3	8.47	---	---	---	---	---	1938
1939	---	---	---	---	---	35.4	15.0	3.48	---	---	---	---	---	1939
1940	---	---	---	---	9.88	10.3	7.42	4.28	---	---	---	---	---	1940
1941	---	---	---	---	---	17.2	3.85	---	---	---	---	---	---	1941
1942	---	---	---	---	37.2	41.4	35.0	---	---	---	---	---	---	1942
1943	---	---	---	---	13.9	31.2	31.2	---	---	---	---	---	---	1943
1944	---	---	---	---	---	12.9	---	---	---	---	---	---	---	1944
1945	---	---	---	---	20.5	48.1	26.4	---	---	---	---	---	---	1945
1946	---	---	---	---	10.7	22.7	12.2	---	---	---	---	---	---	1946
1947	---	---	---	---	22.8	30.5	16.1	---	---	---	---	---	---	1947
1948	---	---	---	---	39.8	37.9	---	---	---	---	---	---	---	1948
1949	---	---	---	---	8.12	11.8	8.17	5.75	5.68	5.18	---	---	---	1949
1950	---	---	---	3.78	9.00	21.9	15.4	9.57	5.77	4.79	---	---	---	1950
1951	---	---	---	4.66	25.0	39.5	41.3	20.3	29.5	14.2	---	---	---	1951
1952	---	---	5.13	9.34	16.6	28.5	20.4	15.4	9.54	6.97	---	---	---	1952
1953	---	---	2.94	4.88	20.3	62.5	24.8	11.0	7.58	6.14	---	---	---	1953
1954	---	---	2.89	3.58	18.2	24.6	17.9	15.9	12.4	11.3	---	---	---	1954
1955	---	---	2.90	5.41	14.9	22.6	19.0	8.67	6.13	5.44	---	---	---	1955
1956	---	---	2.83	4.58	13.7	16.0	16.0	7.93	6.49	5.24	---	---	---	1956
1957	---	---	2.86	4.19	16.6	16.9	8.86	6.52	6.78	6.24	---	---	---	1957
1958	---	---	2.55	4.33	20.6	21.9	25.1	11.4	8.11	5.94	---	---	---	1958
1959	---	---	2.36	4.47	11.0	21.1	12.3	7.70	8.06	6.55	---	---	---	1959
1960	---	---	3.77	5.01	11.3	17.4	11.2	8.24	5.26	4.51	---	---	---	1960
1961	---	---	2.84	3.44	18.2	20.8	11.2	10.0	7.35	9.58	---	---	---	1961
1962	---	---	3.62	7.73	12.2	17.8	9.38	6.25	6.72	5.06	---	---	---	1962
1963	---	---	3.28	3.64	7.99	30.5 R	19.7 R	8.35	6.99	5.81	---	---	---	1963
1964	---	---	3.85	4.38	14.7	34.8	13.5	7.16	6.72	6.28	---	---	---	1964
1965	---	---	1.63	8.13	7.45	32.9 R	21.7	16.4	13.8	13.0	---	---	---	1965
1966	---	---	4.05	4.86	14.1	21.8	14.0	10.1	7.38	6.26	---	---	---	1966
1967	---	---	2.59	3.69	24.4 R	46.1 R	16.5	8.92	6.44	5.35	---	---	---	1967
1968	---	---	3.20	3.70	9.63	24.1	12.6	9.67	8.58	8.75	---	---	---	1968
1969	---	---	3.04	8.12	21.2	33.1 R	28.1 R	7.67	6.68	5.66	---	---	---	1969
1970	---	---	3.19	3.78	12.9	30.5 R	11.6	6.75	5.68	4.78	---	---	---	1970
1971	---	---	2.69	5.69	17.1 R	29.1 R	11.3	6.96	5.45	5.05	4.34	3.17	---	1971
1972	2.77	2.53	4.07	5.06	18.2 R	30.9 R	16.7	10.4	7.75	6.21	---	---	---	1972
1973	---	---	3.35	4.91	19.9 R	25.7 R	12.3	7.49	8.19	5.28	---	---	---	1973
1974	---	---	3.33	6.18	20.3	35.7	14.3	10.7	8.74	6.37	---	---	---	1974
1975	---	---	3.10	3.99	9.32	20.4	15.1	8.45	5.93	4.95	---	---	---	1975
1976	---	---	2.49	4.14	11.8	11.3	10.3	16.0	8.59	5.88	---	---	---	1976
1977	---	---	2.79	3.42	7.56	9.53	5.63	8.02	6.76	5.53	4.23	3.37	---	1977
1978	2.45	2.24	3.30	4.86	13.5	23.4	15.8	9.48	8.16	6.62	4.85	3.02	8.16	1978
1979	2.17	2.57	3.35	4.85	13.3	13.1	8.06	5.84	4.90	3.92	3.14	3.10	5.70	1979
1980	1.89	2.01	2.19	5.53	13.7	29.5	8.70	8.91	7.74	6.39	4.50	4.69	7.97	1980
1981	3.68	2.44	2.90	3.04	30.0	30.5	20.5	13.1	6.69	5.69	4.53	3.39	10.6	1981
1982	3.23	3.07	2.85	3.60	6.24	21.3	11.0	5.80	5.18	5.46	3.82	3.01	6.21	1982
MEAN	2.70	2.48	3.09	4.88	15.9 R	25.7 R	15.9 R	9.26	7.99	6.48	4.20	3.39	7.73	MEAN

LOCATION - LAT 50 56 53 N   DRAINAGE AREA, 792 km²
LONG 114 34 10 W   NATURAL FLOW

R - REVISED SINCE JAN 1980

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	23.6 ON JUN 17	---	---	1935
1936	---	27.5 ON JUN 1	---	---	1936
1937	---	64.8 ON JUN 13	---	---	1937
1938	---	77.9 ON JUL 2	---	---	1938
1939	---	74.8 ON JUN 22	---	---	1939
1940	---	21.2 ON MAY 25	---	---	1940
1941	---	44.5 ON JUN 2	---	---	1941
1942	---	155 ON MAY 11	---	---	1942
1943	---	44.2 ON JUL 3	---	---	1943
1944	---	22.9 ON JUN 13	---	---	1944
1945	---	107 ON MAY 26	---	---	1945
1946	---	42.5 ON MAY 29	---	---	1946
1947	---	60.6 ON MAY 10	---	---	1947
1948	---	183 E ON MAY 23	---	---	1948
1949	--	17.6 ON MAY 22	---	---	1949
1950	58.0 ON JUN 15	44.2 ON JUN 15	---	---	1950
1951	110 AT 18:00 MST ON AUG 30	82.7 ON AUG 30	---	---	1951
1952	71.4 AT 14:30 MST ON JUN 12	59.7 ON JUN 23	---	---	1952
1953	181 AT 03:00 MST ON JUN 13	118 ON JUN 13	---	---	1953
1954	43.9 AT 06:00 MST ON AUG 25	39.4 ON AUG 25	---	---	1954
1955	47.6 AT 23:00 MST ON MAY 19	37.1 ON JUN 12	---	---	1955
1956	35.4 AT 03:00 MST ON MAY 21	30.9 ON MAY 21	---	---	1956
1957	30.0 AT 12:00 MST ON JUN 8	28.9 ON JUN 8	---	---	1957
1958	40.2 AT 05:00 MST ON JUL 13	37.9 ON JUL 13	---	---	1958
1959	45.9 AT 08:30 MST ON JUN 27	39.9 ON JUN 27	---	---	1959
1960	29.4 AT 14:00 MST ON JUN 3	28.9 ON JUN 3	---	---	1960
1961	57.2R AT 10:00 MST ON MAY 27	51.0 ON MAY 27	---	---	1961
1962	28.9 AT 03:00 MST ON JUN 16	26.1 ON JUN 16	---	---	1962
1963	268 R AT 23:00 MST ON JUN 29	141 R ON JUN 30	---	---	1963
1964	97.4 AT 05:00 MST ON JUN 8	89.5 ON JUN 8	---	---	1964
1965	184 R AT 06:00 MST ON JUN 18	127 R ON JUN 18	---	---	1965
1966	32.3R AT 02:00 MST ON JUN 5	30.6 ON JUN 5	---	---	1966
1967	283 R AT 01:30 MST ON MAY 31 *	185 R ON MAY 31 *	---	---	1967
1968	50.7 AT 00:35 MST ON JUN 10	43.9 ON JUN 8	---	---	1968
1969	159 R AT 10:30 MST ON JUN 29	139 R ON JUN 29	---	---	1969
1970	112 R AT 07:10 MST ON JUN 14	92.0R ON JUN 14	---	---	1970
1971	116 R AT 09:05 MST ON JUN 6	89.2R ON JUN 6	---	---	1971
1972	56.1R AT 04:15 MST ON JUN 1	49.8R ON JUN 1	---	---	1972
1973	47.0R AT 08:10 MST ON JUN 7	43.3R ON MAY 26	---	---	1973
1974	78.4 AT 03:50 MST ON JUN 17	66.0 ON JUN 17	---	---	1974
1975	53.5 AT 04:30 MST ON JUN 20	49.3 ON JUN 20	---	---	1975
1976	42.5 AT 06:00 MST ON AUG 6	36.0 ON AUG 6	---	---	1976
1977	17.1 AT 14:00 MST ON AUG 13	15.8 ON AUG 14	---	---	1977
1978	49.8 AT 02:30 MST ON JUN 6	44.5 ON JUN 6	1.70B ON MAR 4	257 000	1978
1979	38.4 AT 02:50 MST ON MAY 27	32.1 ON MAY 27	1.95B ON JAN 1	180 000	1979
1980	69.3 ON JUN 4	51.7A ON JUN 3	1.40B ON JAN 10 *	252 000	1980
1981	123 AT 04:30 MST ON MAY 26	98.2 ON MAY 26	1.61B ON FEB 6	334 000	1981
1982	30.7 AT 02:22 MST ON JUN 14	28.9 ON JUN 16	2.35B ON MAR 30	196 000	1982
				244 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - R*VISED SINCE JAN 1980

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	16.0	16.0	9.27	5.73	---	---	---	---	---	1979
MEAN	---	---	---	---	16.0	16.0	9.27	5.73	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 30 N
LONG 114 28 00 W

DRAINAGE AREA, 871 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	40.8 AT 07:30 MST ON MAY 27 *	36.3 ON MAY 27 *	---	---	1979
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	7.96	7.23	3.42	---	1914
1915	3.10	2.92	3.95	4.01	30.8	---	---	16.9	14.1	12.3	8.10	5.24	---	1915
1916	2.39	2.88	3.69	7.81	---	---	---	---	---	13.3	8.93	6.05	---	1916
1917	5.09	4.42	4.51	5.98	27.8	41.6	19.7	9.27	7.99	6.13	5.34	3.77	11.8	1917
1918	3.28	2.76	4.38	5.06	9.09	18.4	11.0	10.2	8.25	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	6.04	4.72	3.80	---	1919
1920	3.23	3.05	3.02	5.19	25.1	22.4	30.2	9.84	5.96	4.90	4.21	3.12	10.1	1920
1921	2.83	2.92	2.83	5.25	20.8	18.8	10.6	7.50	5.00	4.84	4.00	2.74	7.37	1921
1922	2.58	2.27	2.45	4.56	17.0	17.1	10.8	7.33	5.22	4.21	3.52	2.15	6.62	1922
1923	2.14	1.83	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	3.08	2.88	3.55	5.41	21.8	23.7	16.5	10.2	7.75	7.46	5.76	3.79	8.97	MEAN

LOCATION - LAT 50 56 43 N DRAINAGE AREA, 742 km²
LONG 114 34 36 W NATURAL FLOW

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	1.70B ON FEB 1	---	1915
1916	---	---	1.27B ON FEB 2 *	---	1916
1917	---	65.4 ON JUN 2 *	2.10B ON DEC 12	373 000	1917
1918	---	30.3 ON JUN 10	1.98B ON FEB 20	---	1918
1919	---	---	---	---	1919
1920	---	54.1 ON JUL 12	1.95B ON DEC 22	318 000	1920
1921	---	36.0 ON MAY 27	1.27B ON DEC 25	233 000	1921
1922	---	27.0 ON JUN 4	1.30B ON DEC 13	209 000	1922
1923	---	3.06B ON JAN 1	1.70B ON JAN 18	---	1923
				283 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	6.37	14.8	15.1	8.27	6.29	4.82	3.85	---	---	8.84	1979
1980	---	---	---	---	12.6	28.8	8.26	8.47	8.22	6.94	---	---	12.1	1980
1981	---	---	---	3.16	31.2	35.2	22.8	14.4	7.40	6.10	---	---	19.5	1981
1982	---	---	---	---	7.02	23.4	11.9	6.16	6.56	6.74	---	---	10.2	1982
MEAN	---	---	---	4.77	16.4	25.6	12.8	8.83	6.75	5.91	---	---	12.7	MEAN

LOCATION - LAT 50 59 40 N DRAINAGE AREA, 1 180 km² DATA CONTRIBUTED BY -
LONG 114 10 00 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	41.3 AT 12:30 MST ON MAY 27	36.0 ON MAY 27	3.69 ON OCT 7	140 000	1979
1980	59.7 AT 10:30 MST ON JUN 4	52.9 ON JUN 4	5.66 ON AUG 1	193 000	1980
1981	121 AT 14:00 MST ON MAY 26 *	101 ON MAY 26 *	3.16 ON MAY 1 *	310 000	1981
1982	38.2 AT 21:20 MST ON JUN 15	32.3 ON JUN 16	4.30 ON MAY 10	163 000	1982
				202 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	64.2	19.8	9.42	7.95	6.93	---	---	---	1908
1909	---	---	---	---	27.4	39.0	26.3	12.2	7.23	6.55	---	---	---	1909
1910	---	---	---	2.86	8.73	13.2	7.99	8.14	11.9	8.26	5.82	3.37	---	1910
1911	1.76	2.72	3.99	6.67	11.5	25.9	17.9	27.8	19.8	10.4	6.01	2.82	11.5	1911
1912	3.01	3.41	3.66	7.44	13.1	26.6	45.0	15.7	11.4	9.42	4.24	3.33	12.2	1912
1913	2.62	3.56	3.03	11.5	15.2	19.7	13.5	15.8	9.06	7.01	6.52	3.91	9.31	1913
1914	3.25	3.10	3.20	7.21	11.2	19.6	12.8	7.21	5.63	9.52	4.92	3.42	7.61	1914
1915	3.58	2.97	4.44	6.18	34.0	60.3	54.7	25.9	18.5	15.8	8.48	5.26	20.1	1915
1916	3.04	4.68	7.61	12.8	18.6	79.7	38.3	29.4	28.5	14.6	9.95	5.08	21.0	1916
1917	5.03	4.89	4.99	8.47	36.5	54.8	18.6	9.86	7.08	5.97	5.27	3.36	13.8	1917
1918	3.49	3.06	5.76	6.18	10.1	19.6	9.58	9.26	7.15	5.48	4.80	3.95	7.38	1918
1919	3.06	2.65	3.16	6.61	14.0	12.0	6.81	16.1	6.07	4.69	3.84	3.42	6.90	1919
1920	3.25	3.21	3.27	7.72	23.4	22.6	29.8	8.00	4.65	3.97	3.94	2.73	9.76	1920
1921	2.97	2.59	2.92	6.69	19.9	18.7	10.1	7.19	5.03	4.76	3.05	2.33	7.21	1921
1922	2.51	2.22	2.41	6.39	16.4	16.4	9.27	5.77	4.22	3.64	3.12	1.65	6.18	1922
1923	1.72	1.42	2.23	3.98	8.76	91.7	35.1	16.7	8.45	6.10	4.96	3.87	15.4	1923
1924	2.73	3.31	3.37	7.40	14.3	26.6	17.7	25.1	8.28	6.57	4.86	3.40	10.3	1924
1925	3.50	3.22	4.77	10.1	13.8	27.5	11.5	11.1	9.91	13.2	6.61	4.72	10.0	1925
1926	3.85	3.63	3.82	7.71	6.67	22.3	14.5	7.38	37.7	16.4	7.50	5.25	11.4	1926
1927	4.04	3.47	4.19	8.48	17.2	42.5	25.1	20.6	27.7	17.6	8.31	4.14	15.3	1927
1928	6.24	5.01	10.7	8.86	13.4	50.9	25.1	11.0	8.15	6.48	4.82	3.49	12.8	1928
1929	2.13	2.15	3.80	7.24	20.9	55.7	9.99	5.86	5.29	4.92	4.03	2.45	10.4	1929
1930	2.10	3.85	3.40	9.52	13.0	21.4	13.3	6.83	5.88	5.46	4.24	3.54	7.71	1930
1931	2.59	3.01	3.25	4.92	6.15	11.2	6.37	4.33	4.17	3.33	2.10	1.59	4.42	1931
1932	2.21	1.83	2.13	4.13	14.2	56.2	11.4	8.30	9.04	6.04	---	---	---	1932
1933	---	---	---	12.2	21.8	16.1	---	---	---	3.40	3.64	3.08	---	1933
1934	3.16	3.23	3.27	3.56	8.20	12.3	7.16	3.89	3.25	3.28	3.17	3.15	4.81	1934
1935	2.19	2.58	2.64	2.60	9.78	13.7	6.97	7.27	3.46	2.96	2.87	2.94	5.01	1935
1936	3.06	1.80	2.39	3.10	5.36	10.2	3.57	1.85	3.29	2.50	1.89	1.62	3.38	1936
1937	1.72	2.06	2.83	2.84	2.11	17.6	12.7	7.26	5.14	6.22	5.18	3.48	5.77	1937
1938	3.01	3.14	3.20	3.16	21.7	21.6	20.5	7.84	5.42	4.56	3.98	3.08	8.46	1938
1939	2.94	3.10	3.24	3.33	3.93	31.8	9.84	4.94	3.87	5.68	5.23	3.26	6.74	1939
1940	2.96	3.07	3.18	8.07	13.8	8.97	5.65	4.85	12.9	6.43	4.07	3.30	6.43	1940
1941	3.28	3.34	3.46	3.60	3.46	10.1	5.51	2.73	8.29	5.86	3.56	3.30	4.70	1941
1942	2.58	2.51	1.80	3.26	30.7	39.2	28.2	20.0	17.4	11.5	4.96	3.95	13.9	1942
1943	3.30	4.16	3.94	18.2	8.46	18.9	16.0	6.89	3.70	3.81	3.38	3.53	7.85	1943
1944	3.64	1.86	2.33	3.70	3.15	12.0	8.69	8.51	5.32	3.83	3.54	3.40	5.01	1944
1945	1.93	2.15	2.43	2.68	18.7	41.1	20.7	9.52	8.63	9.68	5.09	4.06	10.6	1945
1946	3.55	3.37	3.98	5.46	10.7	22.1	12.3	8.15	15.1	4.92	4.91	3.98	8.21	1946
1947	3.77	3.69	4.75	9.73	27.1	26.8	14.1	10.1	11.2	8.97	6.77	4.63	11.0	1947
1948	3.68	3.76	3.85	12.7	43.6	34.8	17.6	15.7	5.64	4.67	3.96	3.05	12.8	1948
1949	2.25	3.27	2.80	4.33	8.17	8.72	5.45	3.82	3.02	3.70	3.70	2.14	4.28	1949
1950	1.30	2.20	2.05	3.57	9.26	19.1	14.9	9.59	4.77	3.92	2.60	2.46	6.33	1950
1951	2.12	1.10	2.11	4.09	26.5	44.2	40.0	25.1	35.8	17.1	10.8	4.81	17.9	1951
1952	3.75	4.14	4.15	23.8	18.7	31.5	24.8	15.6	10.4	6.90	5.80	3.76	12.8	1952
1953	2.63	3.92	3.55	7.47	24.6	63.5	24.5	9.68	6.17	4.96	3.98	3.80	13.2	1953
1954	3.03	3.71	2.58	3.25	24.7	27.8	19.0	17.7	13.2	11.2	4.84	5.51	11.4	1954
1955	3.60	3.53	3.61	7.59	24.9	23.0	20.7	8.19	3.80	3.67	3.12	3.31	9.13	1955
1956	3.69	3.39	2.78	4.20	12.5	16.3	17.8	7.05	5.66	3.71	3.72	2.21	6.93	1956
1957	1.38	3.50	3.02	3.57	17.2	17.8	8.01	4.36	4.40	4.09	4.51	4.01	6.32	1957
1958	2.57	2.79	2.56	11.5	20.8	21.2	29.4	11.2	6.48	4.50	4.28	3.66	10.1	1958
1959	1.58	2.20	3.09	4.16	9.34	22.8	11.0	5.26	6.03	4.85	4.66	3.95	6.58	1959
1960	1.49	2.38	4.09	5.19	10.9	15.9	9.47	5.70	3.10	2.68	2.44	1.75	5.43	1960
1961	1.66	1.96	2.22	3.04	16.5	14.9	9.08	9.15	5.26	8.52	5.55	3.11	6.78	1961
1962	2.09	3.36	2.50	7.68	9.82	16.1	5.76	5.44	7.49	2.46	1.78	1.04	5.45	1962
1963	0.511	0.898	0.324	1.09	4.46	25.2	24.4	5.65	3.63	3.17	2.92	1.83	6.20	1963
1964	1.94	1.70	1.63	3.36	15.7	32.7	9.72	4.29	2.41	5.02	3.03	1.19	6.89	1964
1965	2.54	1.68	2.25	9.58	6.31	31.5	25.8	15.9	15.8	12.4	5.55	4.71	11.2	1965
1966	2.40	3.08	3.26	4.57	14.5	18.7	10.6	5.80	4.92	2.81	2.91	2.67	6.36	1966
1967	0.659	1.51	1.07	5.35	21.2	45.3	10.2	3.99	1.27	1.66	2.78	1.04	8.00	1967
1968	1.40	1.29	2.34	1.06	7.26	20.4	9.68	8.43	6.45	8.46	3.02	1.99	5.99	1968
1969	1.45	1.72	0.717	11.4	21.4	32.7	29.9	4.50	1.93	2.35	2.33	2.29	9.42	1969
1970	0.940	1.41	0.862	2.59	12.7	26.1	8.12	1.57	0.699	2.14	1.49	0.854	4.96	1970
1971	1.11	0.639	0.463	7.68	12.2	25.3	3.80	1.21	0.772	1.03	2.43	1.10	4.80	1971
1972	0.595	0.595	3.80	2.38	12.1	24.4	11.9	6.12	4.42	2.96	2.08	0.744	6.02	1972
1973	1.01	0.850	1.11	6.25	13.7	20.7	5.91	1.89	4.15	2.30	0.935	0.881	4.98	1973
1974	0.841	0.788	0.733	2.08	22.8	30.6	7.10	6.13	4.98	2.86	1.34	0.906	6.78	1974
1975	0.595	0.425	0.425	0.882	5.99	17.3	7.51	2.77	0.976	1.05	1.41	0.705	3.34	1975
1976	0.834	0.548	0.510	0.510	6.87	8.43	4.75	13.3	5.47	2.19	1.31	0.568	3.79	1976
1977	0.425	0.425	0.492	0.947	2.82	4.34	2.30	2.65	4.17	2.74	1.37	1.13	1.99	1977
1978	0.967	0.967	0.993	2.35	12.8	21.0	10.3	8.64	4.92	3.34	1.96	1.85	5.86	1978
1979	1.11	1.15	1.31	2.38	13.6	9.27	3.76	1.57	1.56	2.12	1.53	1.09	3.39	1979
1980	0.943	0.932	1.03	1.66	10.1	24.0	4.13	4.52	4.65	3.48	2.16	1.12	4.88	1980
1981	1.20	1.13	1.11	1.10	28.5	30.1	18.7	9.75	3.41	2.48	1.70	2.58	8.54	1981
1982	---	---	---	---	2.69	21.9	7.15	1.26	1.42	1.97	1.32	1.51	---	1982
MEAN	2.40	2.53	2.90	5.94	14.9	27.3	15.3	9.35	7.90	5.87	4.01	2.88	8.43	MEAN

LOCATION - LAT 51 00 55 N   DRAINAGE AREA, 1 230 km²
LONG 114 05 33 W   REGULATED SINCE 1932

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	159 ON JUN 2	---	---	1908
1909	---	94.0 ON JUN 3	---	---	1909
1910	---	18.6 ON SEP 19	---	---	1910
1911	---	89.5 ON AUG 8	0.878B ON DEC 26	362 000	1911
1912	---	122 ON JUN 16	0.963 ON JAN 4	387 000	1912
1913	---	38.8 ON AUG 10	1.76 ON MAR 23	294 000	1913
1914	---	28.9 ON JUN 18	2.12 B ON JAN 24	240 000	1914
1915	---	239 A ON JUN 26	1.84 B ON DEC 31	634 000	1915
1916	---	146 ON JUN 29	1.87 B ON JAN 1	664 000	1916
1917	---	147 ON JUN 3	2.32 B ON DEC 12	434 000	1917
1918	---	35.4 ON JUN 10	2.24 B ON MAR 6	233 000	1918
1919	---	72.5 ON AUG 6	2.10 B ON MAR 1	218 000	1919
1920	---	67.7 ON JUL 13	1.27 B ON DEC 23	309 000	1920
1921	---	37.4 ON MAY 25	0.793B ON DEC 28	227 000	1921
1922	---	26.5 ON MAY 17	0.510B ON DEC 15	195 000	1922
1923	---	331 ON JUN 1	1.08 B ON JAN 18	486 000	1923
1924	---	59.5 ON AUG 4	1.19 B ON DEC 18	326 000	1924
1925	---	66.5 ON JUN 12	2.46 B ON JAN 2	316 000	1925
1926	---	88.1 ON SEP 11	3.09 B ON DEC 16	359 000	1926
1927	---	83.3 ON JUN 10	2.55 B ON DEC 31	482 000	1927
1928	---	100 ON JUN 19	1.98 B ON DEC 4	406 000	1928
1929	---	382 ON JUN 3 *	1.00 B ON FEB 2	326 000	1929
1930	---	30.6 ON MAY 31	1.78 B ON JAN 17	243 000	1930
1931	---	22.9 ON APR 8	1.33 B ON DEC 19	139 000	1931
1932	---	311 ON JUN 3	1.09 B ON FEB 23	---	1932
1933	---	---	---	---	1933
1934	---	32.0 ON JUN 5	2.80 ON JUL 24	152 000	1934
1935	---	32.8 ON JUN 16	1.56 ON JAN 6	158 000	1935
1936	---	35.7 ON JUN 8	0.481 ON JUL 27	107 000	1936
1937	---	54.9 ON JUN 14	0.595 ON MAY 19	182 000	1937
1938	---	59.5 ON MAY 24	2.21 ON APR 21	267 000	1938
1939	---	104 ON JUN 17	1.76 ON SEP 8	213 000	1939
1940	---	40.5 ON APR 30	2.61 ON JAN 8	203 000	1940
1941	---	27.0 ON JUN 4	0.396 ON MAY 25	148 000	1941
1942	---	128 ON MAY 12	1.64 ON JAN 15	439 000	1942
1943	---	34.8 ON APR 25	2.92 ON NOV 22	248 000	1943
1944	---	26.5 ON JUN 14	1.73 ON FEB 6	158 000	1944
1945	---	67.7 ON MAY 26	1.81 ON MAR 14	333 000	1945
1946	---	54.1 ON SEP 29	1.87 ON FEB 14	259 000	1946
1947	---	79.3 ON MAY 11	3.48 ON JAN 26	347 000	1947
1948	---	154 ON MAY 24	1.93 ON DEC 24	404 000	1948
1949	---	22.6 ON MAY 22	0.538 ON AUG 21	135 000	1949
1950	---	33.1 ON JUN 16	0.680 ON NOV 22	200 000	1950
1951	---	152 ON AUG 31	0.765 ON JAN 27	564 000	1951
1952	---	80.4 ON APR 7	2.38 ON APR 2	404 000	1952
1953	---	124 ON JUN 4	1.90 ON JAN 19	418 000	1953
1954	---	59.7 ON MAY 22	0.878 ON OCT 5	360 000	1954
1955	---	46.7 ON MAY 20	1.64 ON SEP 5	288 000	1955
1956	---	37.1 ON JUL 5	0.708 ON OCT 21	219 000	1956
1957	---	38.5 ON JUN 10	0.340 ON APR 11	200 000	1957
1958	---	55.2 ON JUL 14	1.90 ON JAN 19	319 000	1958
1959	---	56.1 ON JUN 27	0.680 ON JAN 6	208 000	1959
1960	---	30.3 ON MAY 18	0.425 ON JAN 19	172 000	1960
1961	---	53.2 ON MAY 29	0.425 ON DEC 21	214 000	1961
1962	---	30.9 ON JUN 18	0.368 ON DEC 31	172 000	1962
1963	---	99.1 ON JUN 30	0.283 ON FEB 26 *	195 000	1963
1964	---	70.2 ON JUN 9	0.538 ON JAN 14	218 000	1964
1965	---	99.7 ON JUN 19	0.623 ON JAN 16	353 000	1965
1966	---	37.9 ON JUL 3	0.425 ON FEB 25	201 000	1966
1967	---	146 ON JUN 1	0.623 ON JAN 1	252 000	1967
1968	---	44.2 ON JUN 11	0.311 ON FEB 23	189 000	1968
1969	---	133 ON JUN 29	0.651 ON FEB 20	297 000	1969
1970	---	105 ON JUN 14	0.510 ON MAR 13	156 000	1970
1971	---	77.9 ON JUN 7	0.425 ON MAR 8	151 000	1971
1972	---	41.1 ON JUN 11	0.566 ON NOV 25	190 000	1972
1973	---	36.2 ON MAY 28	0.708 ON OCT 24	157 000	1973
1974	---	61.7 ON JUN 17	0.651 ON JAN 19	214 000	1974
1975	60.9 AT 14:30 MST ON JUN 20	43.3 ON JUN 20	0.425 ON JAN 14	105 000	1975
1976	42.5 AT 07:30 MST ON AUG 6	37.7 ON AUG 6	0.425 ON DEC 13	120 000	1976
1977	13.7 AT 07:00 MST ON MAY 28	13.6E ON AUG 23	0.348 ON AUG 11	62 700	1977
1978	47.0 AT 08:00 MST ON JUN 6	41.9 ON JUN 6	0.855B ON MAR 6	185 000	1978
1979	31.9 AT 23:00 MST ON MAY 25	30.8 ON MAY 27	0.962B ON DEC 20	107 000	1979
1980	101 AT 21:30 MST ON MAY 26 *	65.3 ON JUN 3	0.758B ON DEC 14	154 000	1980
1981	95.8 AT 20:00 MST ON MAY 26	93.0 ON MAY 27	0.569 ON MAY 9	269 000	1981
1982	41.9 AT 13:37 MST ON JUN 16	37.1 ON JUN 16	---	---	1982
				266 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	25.5	12.9	17.3	9.21	5.19	4.05	---	1975
1976	2.47	1.68	1.39	8.98	8.11	3.32	3.31	3.79	2.60	2.50	1.87	1.45	3.46	1976
1977	0.855	0.457	0.212	1.41	4.80	4.77	7.82	7.13	4.07	4.10	3.31	2.01	3.44	1977
1978	1.36	0.913	0.996	2.43	16.2	11.6	7.31	3.37	9.41	13.1	6.50	3.84	6.45	1978
1979	1.63	0.884	1.03	---	---	---	---	---	---	---	---	---	---	1979
MEAN	1.58	0.984	0.907	4.27	9.70	6.56	11.0	6.80	8.35	7.23	4.22	2.84	4.45	MEAN

LOCATION - LAT 57 22 30 N   LONG 112 33 40 W   DRAINAGE AREA, 1 380 km^2 NATURAL FLOW

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	16.1 B ON APR 17	1.10 B ON DEC 31	109 000	1976
1977	9.32R AT 04:57 MST ON JUL 6	9.23 ON JUL 6	0.198B ON MAR 15 *	108 000	1977
1978	21.6 AT 22:50 MST ON MAY 16 *	21.0 ON MAY 17 *	0.906B ON FEB 6	203 000	1978
1979	---	2.55B ON JAN 1	0.850B ON FEB 10	---	1979
MEAN				140 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	17.9	26.9	13.3	5.45	3.93	---	1975
1976	2.25	1.43	1.51	21.5	11.2	5.10	4.39	4.99	4.10	3.80	1.95	1.37	5.29	1976
1977	0.653	0.694	0.644	4.19	5.63	5.90	10.6	8.23	5.06	4.72	2.99	2.16	4.31	1977
1978	1.44	1.12	0.875	7.84	27.8	14.9	8.43	4.31	24.4	20.7	6.81	4.51	10.3	1978
1979	2.22	1.70	1.63	4.70	41.3	24.8	6.17	3.34	5.03	5.18	3.26	2.05	8.49	1979
1980	1.35	0.985	0.984	4.95	3.14	2.28	1.71	8.36	7.75	6.55	3.05	1.34	3.54	1980
1981	1.16	0.917	1.22	3.15	17.2	7.35	5.47	2.89	0.623	0.570	0.500	0.438	3.48	1981
1982	0.261	0.084	0.036	6.69	30.3	12.3	3.42	2.69	1.73	1.35	1.15	0.680	5.09	1982
MEAN	1.33	0.990	0.986	7.57	19.5	10.4	5.74	6.59	9.45	7.02	3.15	2.06	5.79	MEAN

LOCATION - LAT 57 16 04 N DRAINAGE AREA, 2 410 km^2
LONG 111 42 51 W NATURAL FLOW

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	49.8B ON APR 14	0.906B ON DEC 31	167 000	1976
1977	14.8 AT 07:16 MST ON JUL 7	14.5 ON JUL 7	0.396B ON MAR 26	136 000	1977
1978	52.7B AT 07:48 MST ON APR 29	45.6 ON SEP 25	0.850B ON MAR 15	325 000	1978
1979	61.1 AT 05:45 MST ON MAY 11 *	56.8 ON MAY 13 *	1.60 B ON FEB 21	267 000	1979
1980	11.2 AT 00:15 MST ON AUG 18	11.0B ON APR 19	0.980B ON FEB 16	112 000	1980
1981	---	21.5E ON MAY 4	0.360B ON DEC 31	110 000	1981
1982	54.0B AT 05:38 MST ON APR 30	45.0B ON APR 29	0.036B ON MAR 10 *	161 000	1982
MEAN				183 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELTON DITCH FROM TODD CREEK - STATION NO. 05AA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	0.018	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	0.035	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	0.027	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 40 00 N
LONG 114 08 00 W REGULATED

ELTON DITCH FROM TODD CREEK - STATION NO. 05AA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON JUN 1 *	---	1915
1916	---	---	---	---	1916
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENGLISH DITCH NEAR THELMA - STATION NO. 11AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 32 30 N
LONG 110 17 30 W REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	1920
MEAN	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 42 N DRAINAGE AREA, 362 km²
LONG 110 52 10 W REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	1.02 ON MAY 2 *	08 ON MAR 1 *	---	1920
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.147	0.001	0.015	0.090	0.128	0.108	0.156	---	---	0.092	1915
1916	---	---	---	0.557	0.101	0.451	0.404	0.313	1.31	0.866	---	---	0.569	1916
MEAN	---	---	---	0.352	0.051	0.233	0.247	0.221	0.709	0.511	---	---	0.331	MEAN

LOCATION - LAT 49 21 42 N DRAINAGE AREA, 2 580 km²
LONG 111 52 10 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1.19 ON APR 4	0 ON APR 1 *	1 710	1915
1916	---	2.07 ON SEP 16 *	0.037 ON MAY 24	10 500	1916
				6 110	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETZIKOM COULEE NEAR NEMISCAM - STATION NO. 05AF027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.838	0.346	0.023	0.005	---	---	---	---	---	---	---	1936
MEAN	---	---	0.838	0.346	0.023	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 26 30 N DRAINAGE AREA, 3 040 km²
LONG 111 15 37 W REGULATED

ETZIKOM COULEE NEAR NEMISCAM - STATION NO. 05AF027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	1.708 ON MAR 9 *	0 ON MAY 14 *	---	1936
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.016	0.006	0.008	0.087	0.092	0.010	---	---	---	1914
1915	---	---	---	0.469	0.245	0.708	0.744	0.424	---	---	---	---	---	1915
1916	---	---	---	0.152	0.385	0.763	0.786	0.498	1.48	0.472	---	---	0.686	1916
1917	---	---	---	3.36	0.949	0.666	0.060	0.155	0.129	0.001	---	---	0.752	1917
MEAN	---	---	---	1.33	0.399	0.536	0.400	0.291	0.567	0.161	---	---	0.699	MEAN

LOCATION - LAT 49 32 00 N
LONG 112 30 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1915

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 1 *	---	1914
1915	---	1.99 ON JUN 27	---	---	1915
1916	---	5.92 ON SEP 6	0.040 ON APR 19	11 900	1916
1917	---	7.76B ON APR 7 *	0 ON JUL 24	13 900	1917
				12 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.049	0.045	0.033	---	---	1967
1968	---	---	---	---	---	0.171	0.254	0.209	0.113	0.081	0.055	---	---	1968
1969	---	---	---	---	0.187	0.174	0.445	0.448	0.120	0.088	---	---	---	1969
1970	---	---	---	---	0.249	0.311	0.110	0.061	0.041	0.036	---	---	---	1970
1971	---	---	---	0.042	0.292	0.637	0.346	0.104	0.096	0.116	---	---	0.233	1971
1972	---	---	---	---	0.889	0.537	0.229	0.087	0.103	0.171	---	---	---	1972
1973	---	---	---	0.027	0.732	0.306	0.162	0.095	0.075	0.082	---	---	0.212	1973
1974	---	---	---	0.118	0.528	0.247	0.144	0.080	0.068	0.062	---	---	0.179	1974
1975	---	---	---	0.011	0.193	0.162	0.115	0.062	0.046	0.036	---	---	0.089	1975
1976	---	---	---	0.048	0.223	0.212	0.105	0.135	0.073	0.062	---	---	0.123	1976
1977	---	---	---	0.086	0.665	0.470	0.372	0.233	0.294	0.155	---	---	0.320	1977
1978	---	---	---	0.112	0.423	0.385	0.336	0.163	0.255	0.107	---	---	0.255	1978
1979	---	---	---	0.025	0.244	0.203	0.123	0.075	0.053	0.045	---	---	0.110	1979
1980	---	---	---	0.131	0.261	1.32	0.490	0.199	0.259	0.151	---	---	0.398	1980
1981	---	---	---	0.043	0.198	0.237	0.264	0.194	0.091	0.072	---	---	0.157	1981
1982	---	---	---	0.042	0.225	0.236	0.708	0.298	0.188	0.251	---	---	0.280	1982
MEAN	---	---	---	0.059	0.348	0.374	0.280	0.163	0.120	0.098	0.044	---	0.214	MEAN

LOCATION - LAT 53 09 10 N DRAINAGE AREA, 17.1 km^2
LONG 117 13 55 W NATURAL FLOW

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	1.04 AT 16:30 MST ON JUL 20	0.773 ON JUL 22	---	---	1968
1969	8.21 AT 17:47 MST ON AUG 5	2.86 ON AUG 5	---	---	1969
1970	2.59 AT 06:00 MST ON JUN 16	1.66 ON JUN 16	---	---	1970
1971	2.78 AT 23:30 MST ON JUN 8	2.25 ON JUN 9	0.003B ON APR 11	4 310	1971
1972	2.83 AT 14:30 MST ON JUN 25	2.17 ON JUN 25	---	---	1972
1973	2.70 AT 19:30 MST ON MAY 16	2.05 ON MAY 16	0.014B ON APR 1	3 930	1973
1974	1.06 AT 20:30 MST ON MAY 6	0.835 ON MAY 7	0.024B ON APR 1	3 300	1974
1975	1.03 AT 19:20 MST ON MAY 8	0.490 ON MAY 9	0.006B ON APR 1	1 660	1975
1976	0.623 AT 18:20 MST ON JUN 16	0.541 ON JUN 16	0.006B ON APR 1	2 270	1976
1977	2.92 AT 17:30 MST ON MAY 29	1.94 ON MAY 29	0.031B ON APR 1	5 920	1977
1978	2.75 AT 06:20 MST ON MAY 16	2.03 ON MAY 16	0.010B ON APR 1	4 710	1978
1979	1.34 AT 09:10 MST ON JUN 28	0.760 ON JUN 28	0.004B ON APR 1	2 040	1979
1980	9.04 AT 16:10 MST ON JUN 4 *	7.00 ON JUN 4 *	0.015B ON APR 1	7 370	1980
1981	0.868 AT 07:10 MST ON JUL 30	0.755 ON JUL 30	0.010B ON APR 1	2 910	1981
1982	3.99 AT 21:45 MST ON JUL 4	3.03 ON JUL 5	0.002B ON APR 1 *	5 180	1982
				3 960	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0	0	---	---	---	1975
1976	---	---	0	4.12	0.730	0.986	1.50	3.14	0.622	0.355	---	---	1.42	1976
1977	---	---	0.001	9.74	5.54	5.32	0.189	0.022	0.010	0.075	---	---	2.58	1977
1978	---	---	0.002	1.57	3.37	0.319	0.004	0	0.467	0.111	---	---	0.730	1978
1979	---	---	0	2.45	5.14	1.77	1.63	0.299	0.030	0.055	---	---	1.40	1979
1980	---	---	0.001	0.369	0.086	0.074	0.012	0.001	0	0.057	---	---	0.074	1980
1981	---	---	0.005	9.97	4.92	1.08	0.132	0	0	0.001	---	---	1.99	1981
1982	---	---	0	2.75	2.42	0.016	0	0.008	0	0	---	---	0.647	1982
MEAN	---	---	0.001	4.42	3.17	1.37	0.461	0.496	0.141	0.082	---	---	1.26	MEAN

LOCATION - LAT 56 27 00 N DRAINAGE AREA, 754 km^2
LONG 119 07 10 W NATURAL FLOW

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON AUG 18 *	---	1975
1976	18.2 AT 13:30 MST ON APR 12	15.5 ON APR 12	0B ON MAR 1	30 200	1976
1977	51.3A AT 23:50 MST ON APR 11	40.8 A ON APR 11	0B ON MAR 14	54 500	1977
1978	10.1 AT 23:30 MST ON MAY 23	9.57 ON MAY 24	0 ON JUL 22	15 500	1978
1979	24.3A AT 16:00 MST ON APR 28	22.4 A ON APR 28	0B ON MAR 1	29 600	1979
1980	---	0.800B ON APR 5	0B ON MAR 1	1 570	1980
1981	54.3 AT 23:30 MST ON APR 25 *	49.8 A ON APR 25 *	0B ON MAR 1	42 200	1981
1982	16.7 AT 00:00 MST ON APR 24	12.7 ON APR 26	0B ON MAR 1	13 700	1982
				26 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.274	0.580	0.568	0.500	0.932	0.880	0.353	0.247	0.621	1957
1958	0.103	0.061	0.210	0.444	0.106	0.725	0.797	0.475	0.445	0.463	0.083	0.061	0.501	1958
1959	0.016	0.013	0.327	0.306	0.215	0.653	0.947	0.623	0.201	0.283	0.242	0.255	0.488	1959
1960	0.115	0.036	0.611	0.334	0.217	0.667	1.25	0.700	0.605	0.681	0.296	0.223	0.687	1960
1961	0.120	0.102	0.138	0.069	0.480	1.12	1.44	0.919	0.792	0.735	0.274	0.075	0.915	1961
1962	0.057	0.102	0.254	0.320	0.266	1.40	1.31	0.880	0.772	0.533	0.171	0.066	0.857	1962
1963	0.052	0.034	0.118	0.082	0.515	1.10	0.551	0.842	0.759	0.708	0.154	0.022	0.745	1963
1964	0.047	0.038	0.047	0.374	0.357	0.909	1.13	1.10	0.719	0.425	0.170	0.258	0.773	1964
1965	0.170	0.231	0.137	0.728	0.239	0.654	0.501	1.06	0.839	0.735	0.378	0.346	0.670	1965
1966	0.070	0.001	0.636	0.308	0.172	0.949	1.28	1.16	0.773	0.706	0.226	0.186	0.823	1966
1967	0.109	0.258	0.977	0.578	1.01	0.243	0.919	1.03	0.816	0.817	0.132	0.041	0.808	1967
1968	0.011	0.019	0.196	0.164	0.276	0.850	1.38	1.36	0.928	0.591	0.386	0.216	0.897	1968
1969	0.042	0.001	2.54	0.593	0.283	1.20	1.06	1.07	1.01	1.03	---	---	0.939	1969
1970	---	---	0.163	0.285	0.472	1.31	1.33	1.37	1.14	0.689	---	---	1.05	1970
1971	---	---	---	---	0.300	0.942	1.75	1.49	1.13	0.597	---	---	1.04	1971
1972	---	---	---	---	0.272	1.04	1.49	1.35	0.943	0.465	---	---	0.925	1972
1973	---	---	---	---	0.360	1.60	1.75	1.91	1.08	0.661	---	---	1.23	1973
1974	---	---	---	---	0.283	1.24	2.24	1.78	0.850	0.647	---	---	1.17	1974
1975	---	---	---	---	0.566	0.501	1.44	1.75	1.05	0.578	---	---	0.984	1975
1976	---	---	---	---	0.523	1.78	2.35	1.89	1.32	1.04	---	---	1.48	1976
1977	---	---	---	---	0.962	---	---	2.18	1.60	0.614	---	---	---	1977
1978	---	---	---	---	0.199	0.343	1.96	1.79	0.902	0.884	---	---	1.02	1978
1979	---	---	---	---	0.120	1.31	2.05	1.56	1.06	0.873	---	---	1.16	1979
1980	---	---	---	---	1.16	1.19	1.96	1.94	1.13	0.518	---	---	1.32	1980
1981	---	---	---	---	0.529	1.38	1.71	1.91	1.65	0.924	---	---	1.35	1981
1982	---	---	---	---	0.415	1.31	1.86	1.83	1.18	0.790	---	---	1.23	1982
MEAN	0.076	0.075	0.489	0.353	0.407	0.996	1.40	1.33	0.947	0.687	0.239	0.166	0.947	MEAN

LOCATION - LAT 49 59 18 N DRAINAGE AREA, 1 920 km^2
LONG 112 05 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1958, 1960 AND 1969

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	2.89 ON OCT 24 *	0.011 ON AUG 21	9 870	1957
1958	---	1.23 ON JUL 14	0.054 ON MAY 11	7 960	1958
1959	---	1.59 ON JUN 28	0.045 ON SEP 11	7 750	1959
1960	---	2.24 ON JUL 21	0.133 ON MAY 23	10 900	1960
1961	---	1.93 ON JUL 29	0.031 ON MAY 2	14 500	1961
1962	---	2.04 ON JUN 14	0.054 ON MAY 4	13 600	1962
1963	---	2.27 ON JUN 23	0.034 ON MAY 1	11 900	1963
1964	---	1.38 ON JUL 7	0.040 ON MAY 24	12 300	1964
1965	---	1.67 ON JUN 17	0.096 ON MAY 19	10 600	1965
1966	---	1.86 ON JUL 25	0.045 ON MAY 23	13 100	1966
1967	---	1.47 ON MAY 10	0.142 ON JUN 23	12 900	1967
1968	---	1.52 ON AUG 12	0.051 ON MAY 2	14 200	1968
1969	---	1.51 ON JUN 25	0.173 ON MAY 22	14 900	1969
1970	---	2.10 ON JUN 14	0.037 ON OCT 29	16 700	1970
1971	---	2.14 ON JUL 10	0.113B ON OCT 30	16 500	1971
1972	---	2.24 ON JUL 24	0.144 ON MAY 16	14 700	1972
1973	---	2.15 ON AUG 13	0 E ON MAY 10 *	19 500	1973
1974	---	2.51 ON JUL 22	0.127 ON OCT 31	18 700	1974
1975	---	2.30 ON AUG 1	0.079 ON JUN 12	15 700	1975
1976	---	2.60 ON JUL 13	0.125 ON MAY 4	23 600	1976
1977	---	---	---	---	1977
1978	---	2.60 ON AUG 23	0.085 ON MAY 22	16 200	1978
1979	---	2.39A ON JUL 30	0.039E ON MAY 29	18 500	1979
1980	---	2.76 ON MAY 26	0.106 ON OCT 4	21 000	1980
1981	---	2.07 ON JUN 14	0.055 ON MAY 1	21 500	1981
1982	---	2.30 ON JUL 2	0.126 ON MAY 3	19 600	1982
				15 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.49	5.12	3.57	2.94	3.34	2.03	---	---	---	1978
1979	---	---	---	---	---	2.08	1.38	1.10	0.881	---	---	---	---	1979
1980	---	---	---	---	2.77	6.42	1.92	1.64	1.57	1.17	---	---	---	1980
1981	---	---	---	1.45	10.5	6.07	11.8	8.95	2.21	---	---	---	---	1981
1982	---	---	---	---	---	---	6.64	2.12	1.60	1.51	---	---	---	1982
MEAN	---	---	---	1.45	6.25	4.92	5.06	3.35	1.92	1.57	---	---	---	MEAN

LOCATION - LAT 51 44 10 N
LONG 114 39 20 W

DRAINAGE AREA, 498 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	17.0A ON JUN 5	---	---	1980
1981	54.4 AT 06:30 MDT ON JUL 31 *	44.9 ON JUL 31 *	---	---	1981
1982	24.5 AT 22:21 MST ON JUL 4	18.3 ON JUL 5	---	---	1982
				---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	4.36	2.11	1.48	1.30	---	---	---	1967
1968	---	---	---	---	---	6.92	---	4.98	2.82	1.76	---	---	---	1968
MEAN	---	---	---	---	---	6.92	4.36	3.55	2.15	1.53	---	---	---	MEAN

LOCATION - LAT 53 10 40 N
LONG 117 49 53 W

DRAINAGE AREA, 203 km²
NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	5.67	9.34	6.97	4.08	3.93	1.66	---	---	---	1962
1963	---	---	---	---	4.69	8.01	6.65	2.79	2.05	0.904	---	---	---	1963
1964	---	---	0.605	0.450	3.20	12.9	6.47	2.89	9.60	6.91	---	---	---	1964
1965	---	---	1.01	1.24	8.70	16.0	12.3	2.62	8.57	3.95	---	---	---	1965
MEAN	---	---	0.808	0.845	5.57	11.6	8.10	3.10	6.04	3.36	---	---	---	MEAN

LOCATION - LAT 53 12 35 N
LONG 117 50 50 W

DRAINAGE AREA, 238 km²
NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	14.3 ON MAY 27	0B ON MAR 15 *	---	1962
1963	---	22.1 ON JUL 14	---	---	1963
1964	---	36.0 ON JUN 8 *	---	---	1964
1965	---	28.2 ON JUL 12	---	---	1965
				---	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	8.87	8.13	---	1971
1972	7.43	7.08	7.73	---	---	33.3	33.6	17.3	16.4	25.8	16.3	11.0	---	1972
1973	10.3	9.95	9.17	---	---	28.5	56.4	97.0	29.3	43.0	23.8	12.5	---	1973
1974	10.9	10.0	10.3	---	---	53.8	41.1	35.7	25.0	25.7	20.5	14.8	---	1974
1975	11.1	9.67	9.41	23.1	44.4	46.3	58.9	47.3	64.8	53.7	25.6	12.8	34.1	1975
1976	11.2	10.0	9.17	42.4	30.9	26.8	---	18.6	31.6	31.7	13.5	10.9	---	1976
1977	9.32	10.2	10.9	37.3	36.5	33.5	36.5	20.9	22.2	23.6	12.6	10.1	22.0	1977
1978	8.86	7.23	8.26	23.4	56.9	35.2	17.9	35.5	69.7	58.0	24.6	14.5	30.1	1978
1979	11.3	8.44	9.70	13.1	113	44.1	22.1	23.2	25.2	26.9	16.5	13.0	27.4	1979
1980	9.50	7.34	7.66	28.6	19.0	16.0	15.3	24.2	34.9	26.5	11.3	9.16	17.5	1980
1981	8.72	8.72	11.1	15.0	24.2	24.8	36.5	12.3	8.87	10.2	11.0	9.20	15.1	1981
1982	6.86	6.32	5.67	15.1	68.1	24.2	17.3	19.3	17.8	16.2	13.9	9.46	18.5	1982
MEAN	9.59	8.63	9.01	24.8	49.1	33.3	33.6	31.9	31.4	31.0	16.5	11.3	23.5	MEAN

LOCATION - LAT 57 38 30 N DRAINAGE AREA, 5 930 km²
LONG 111 10 30 W NATURAL FLOW

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	7.08B ON FEB 1	---	1972
1973	---	---	---	---	1973
1974	---	---	8.69B ON JAN 31	---	1974
1975	99.4 AT 18:00 MST ON SEP 1	98.5 ON SEP 1	9.15B ON MAR 12	1 080 000	1975
1976	---	60.9E ON APR 19	8.50B ON MAR 8	---	1976
1977	---	73.9B ON APR 19	8.35B ON JAN 3	695 000	1977
1978	94.6 AT 04:20 MST ON SEP 13	94.3 ON SEP 12	6.94B ON FEB 10	949 000	1978
1979	204 AT 12:15 MST ON MAY 16 *	201 ON MAY 16 *	7.60B ON FEB 17	865 000	1979
1980	61.9B AT 07:30 MST ON APR 20	45.9B ON APR 21	7.30B ON JAN 31	552 000	1980
1981	67.8 AT 00:05 MST ON JUL 16	67.5A ON JUL 15	4.24 ON OCT 25 *	476 000	1981
1982	---	89.0E ON MAY 8	5.44B ON MAR 25	582 000	1982
				743 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK NEAR HINTON - STATION NO. 07AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.125	0.118	0.117	0.210	---	---	---	1972
1973	---	---	---	---	0.474	0.212	0.076	0.123	0.060	---	---	---	---	1973
1974	---	---	---	0.234	0.392	0.099	0.153	0.060	---	---	---	---	---	1974
MEAN	---	---	---	0.234	0.433	0.156	0.118	0.100	0.089	0.210	---	---	---	MEAN

LOCATION - LAT 53 29 10 N DRAINAGE AREA, 25.6 km²
LONG 117 39 05 W NATURAL FLOW

FISH CREEK NEAR HINTON - STATION NO. 07AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.95 AT 18:30 MST ON JUN 24 *	1.31 ON JUN 24 *	---	---	1973
1974	0.937 AT 19:20 MST ON APR 25	0.748 ON JUL 12	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	8.38	11.6	1.30	0.687	0.619	0.562	---	---	---	1917
1918	---	---	---	---	1.51	1.14	0.266	0.130	0.184	0.260	---	---	---	1918
1919	---	---	0.027	0.870	1.16	0.270	0.006	0.385	0.047	0.100	---	---	0.358	1919
MEAN	---	---	0.027	0.870	3.68	4.34	0.524	0.401	0.283	0.307	---	---	0.358	MEAN

LOCATION - LAT 50 55 46 N DRAINAGE AREA, 428 km²
LONG 114 03 55 W NATURAL FLOW

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	72.2 ON JUN 3 *			1917
1918	---	5.38 ON JUN 1	---	---	1918
1919	---	2.32 ON MAY 10	---	---	1919
			0.001 ON JUL 13 *	7 580	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 580	MEAN

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	1.52	0.473	0.268	0.632	---	---	---	1908
1909	---	---	---	---	---	1.67	1.99	0.446	0.189	0.193	---	---	---	1909
1910	---	---	---	---	0.222	0.205	0.013	0.042	0.483	0.193	---	---	---	1910
1911	---	---	---	1.61	2.04	1.60	1.83	4.42	1.46	1.06	---	---	---	1911
1912	---	---	---	---	2.16	1.86	10.8	2.53	2.01	1.75	---	---	---	1912
1913	---	---	---	---	2.73	2.29	1.19	0.816	0.465	0.480	---	---	---	1913
1914	---	---	---	---	0.779	1.05	0.489	0.144	0.098	0.482	---	---	---	1914
1915	---	---	---	0.769	6.06	15.5	20.1	5.38	3.97	3.44	---	---	---	1915
1916	---	---	---	4.92	4.60	23.8	4.40	6.31	8.02	2.23	---	---	---	1916
1956	---	---	0.340	0.947	1.43	0.595	0.651	0.316	0.194	0.119	0.113	0.184	0.574	1956
1957	0.123	0.003	0.351	2.59	1.60	1.12	0.213	0.238	0.264	0.452	0.509	0.234	0.847	1957
1958	0.293	0.068	0.024	4.38	2.56	1.66	2.38	0.357	0.399	0.236	0.093	0.077	1.49	1958
1959	0.113	0.106	0.564	2.13	1.87	3.89	0.599	0.398	0.295	0.360	0.402	0.147	1.25	1959
1960	0.059	0.044	1.84	1.16	1.80	1.10	0.431	0.143	0.071	0.108	0.077	0.055	0.832	1960
1961	0.074	0.080	0.313	0.651	2.03	0.347	0.211	0.166	0.136	0.506	0.357	0.182	0.546	1961
1962	0.143	0.206	0.701	3.37	1.72	0.885	0.144	0.020	0.195	0.114	0.091	0.087	0.886	1962
1963	0.100	0.164	0.145	0.556	0.349	3.41	2.42	0.228	0.174	0.070	0.077	0.093	0.913	1963
1964	0.029	0.020	0.053	0.498	3.82	2.35	0.587	0.027	0.154	0.106	0.119	0.029	0.949	1964
1965	0	0.074	0.170	3.11	0.646	3.36	4.85	1.87	2.11	1.28	0.597	0.232	2.16	1965
1966	0.056	0.024	0.366	0.556	2.32	2.46	1.77	0.675	0.349	0.320	0.093	0.048	1.10	1966
1967	0.070	0.120	1.00	4.43	6.08	5.83	0.713	0.270	0.084	0.124	0.132	0.058	2.30	1967
1968	0.080	0.171	0.443	0.585	0.742	1.32	0.261	0.308	0.660	0.844	---	---	0.643	1968
1969	---	---	0.166	4.01	3.45	6.72	5.08	0.474	0.342	0.281	---	---	2.55	1969
1970	---	---	0.128	2.53	2.04	3.33	0.758	0.078	0.150	0.176	---	---	1.14	1970
1971	---	---	0.097	3.84	0.927	3.20	0.308	0.016	0.105	0.199	---	---	1.07	1971
1972	---	---	1.21	2.58	1.24	1.16	0.526	0.364	0.432	0.336	---	---	0.975	1972
1973	---	---	0.811	2.20	3.56	2.53	0.316	0.141	0.300	0.249	---	---	1.26	1973
1974	---	---	0.056	3.95	6.88	1.65	0.311	0.317	0.163	0.244	---	---	1.69	1974
1975	---	---	0.004	1.65	1.86	1.39	0.243	0.082	0.066	0.093	---	---	0.669	1975
1976	---	---	0.062	0.814	0.667	0.316	0.074	0.701	0.179	0.117	---	---	0.365	1976
1977	---	---	0.096	1.26	0.911	0.267	0.067	0.082	0.263	0.229	---	---	0.395	1977
1978	---	---	1.36	2.18	3.19	2.45	1.06	0.573	0.738	0.331	---	---	1.48	1978
1979	---	---	1.13	2.35	2.09	0.630	0.272	0.102	0.024	0.100	---	---	0.835	1979
1980	---	---	0.005	1.96	1.53	2.05	0.102	0.085	0.191	0.185	---	---	0.756	1980
1981	---	---	0.371	0.296	4.40	3.09	1.55	0.658	0.132	0.228	---	---	1.34	1981
1982	---	---	0.029	1.25	0.895	1.49	0.817	0.031	0.208	0.223	---	---	0.613	1982
MEAN	0.095	0.090	0.438	2.10	2.33	3.05	1.92	0.813	0.704	0.503	0.222	0.119	1.10	MEAN

LOCATION - LAT 50 53 15 N   DRAINAGE AREA, 259 km^2
LONG 114 19 30 W   NATURAL FLOW

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	45.3 ON AUG 8	---	---	1911
1912	---	37.1 ON JUL 25	---	---	1912
1913	---	8.78 ON JUN 29	---	---	1913
1914	---	3.11 ON JUN 26	---	---	1914
1915	200 ON JUN 26 *	199 ON JUN 26 *	---	---	1915
1916	---	121 ON JUN 4	---	---	1916
1956	---	5.66 ON MAY 13	0.020 ON AUG 24	12 100	1956
1957	---	7.33B ON APR 18	0 B ON MAR 8 *	17 900	1957
1958	---	13.6 B ON APR 16	0 B ON MAR 23	31 600	1958
1959	41.3 ON JUN 27	36.2 ON JUN 27	0.028B ON MAR 8	26 600	1959
1960	---	4.79B ON MAR 24	0.045 ON SEP 14	17 600	1960
1961	4.05 ON MAY 16	3.54 ON MAY 1	0 B ON MAR 7	11 600	1961
1962	---	8.64B ON APR 4	0 ON AUG 18	18 700	1962
1963	---	58.9 ON JUN 30	0 B ON MAR 6	19 300	1963
1964	---	17.3 ON MAY 3	0 ON AUG 13	20 000	1964
1965	---	29.2 ON JUL 9	0 B ON MAR 4	45 800	1965
1966	---	14.8 ON JUL 3	0.014B ON MAR 1	23 300	1966
1967	---	72.5 ON MAY 31	0.051 ON SEP 20	48 800	1967
1968	---	7.25 ON JUN 8	0.076 ON JUL 18	13 600	1968
1969	---	75.3 ON JUN 29	0.088 ON AUG 31	54 000	1969
1970	---	34.5 ON JUN 14	0.040E ON AUG 29	24 100	1970
1971	---	19.9 ON JUN 6	0.003 ON AUG 9	22 700	1971
1972	---	7.16B ON APR 6	0 B ON MAR 1	20 600	1972
1973	---	12.1 ON MAY 26	0.062 ON AUG 21	26 600	1973
1974	---	20.7 ON APR 29	0.017B ON MAR 5	35 800	1974
1975	---	10.0 ON MAY 8	0 B ON MAR 1	14 200	1975
1976	---	3.26 ON AUG 10	0.004 ON JUL 26	7 740	1976
1977	---	6.88B ON APR 5	0.007 ON AUG 2	8 350	1977
1978	---	21.1 ON MAY 31	0 B ON MAR 1	31 300	1978
1979	---	6.45 ON APR 27	0 B ON MAR 1	17 700	1979
1980	---	10.8 ON JUN 4	0 B ON MAR 1	16 000	1980
1981	---	17.0 ON JUN 14	0.031 ON SEP 20	28 400	1981
1982	---	4.67 ON JUN 7	0 B ON MAR 1	13 000	1982
				23 200	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.014	0.116	0.138	0.042	0.055	0.012	0.007	0.008	---	---	---	1922
1923	---	---	0.007	0.062	0.111	1.21	0.460	0.205	0.106	0.059	---	---	---	1923
MEAN	---	---	0.011	0.089	0.125	0.626	0.258	0.109	0.057	0.034	---	---	---	MEAN

LOCATION - LAT 49 43 56 N   DRAINAGE AREA, 53.1 km^2
LONG 113 51 06 W   NATURAL FLOW

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.396B ON MAY 3	0B ON MAR 1 *	---	1922
1923	---	6.97 ON JUN 1 *	0B ON MAR 1	---	1923
				---	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.042	0.195	---	---	---	---	1919
1920	---	---	---	---	---	7.05	0.670	0.438	0.069	0.149	---	---	---	1920
1921	---	---	---	0.836	0.391	0.889	3.38	0.693	0.220	0.099	---	---	0.933	1921
1922	---	---	---	0.624	1.09	0.255	0.065	0.002	0.014	0.005	---	---	0.293	1922
1923	---	---	---	---	---	0.456	1.34	0.074	0.007	0	---	---	---	1923
1924	---	---	---	0.004	0.102	0.077	0.085	0.087	0.151	0.108	---	---	0.088	1924
1925	---	---	---	0.489	0.618	0.825	0.112	0.125	0.097	0.078	---	---	0.333	1925
1926	---	---	---	0.135	0.139	0.171	0.042	0.008	0.033	0.059	---	---	0.083	1926
1927	---	---	---	0.670	0.498	0.779	3.49	0.213	0.209	1.20	---	---	1.02	1927
1928	---	---	---	0.271	2.13	1.27	0.725	0.421	0.316	0.239	---	---	0.769	1928
1929	---	---	---	0.586	0.236	0.227	0.905	0.168	0.070	0.038	---	---	0.319	1929
1930	---	---	---	0.338	0.875	2.60	0.865	0.274	0.191	0.147	---	---	0.752	1930
1931	---	---	---	0.341	---	---	---	---	---	---	---	---	---	1931
1980	---	---	---	---	---	---	0.098R	0.603R	0.735R	0.216R	---	---	---	1980
1981	---	---	0.476	0.963	0.151	0.254	0.529	0.091	0.002	0.023	---	---	0.286	1981
1982	---	---	0	0.675	0.135	0.016	0.040	0.048	0.034	0.011	---	---	0.136	1982
MEAN	---	---	0.238	0.494	0.579	1.14	0.882R	0.219R	0.156R	0.169R	---	---	0.456	MEAN

LOCATION - LAT 54 35 15 N DRAINAGE AREA, 184 km²
LONG 112 54 20 W NATURAL FLOW

R - REVISED SINCE JAN 1980

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	42.8 ON JUN 19 *	---	---	1920
1921	---	17.0 ON JUL 4	0.059 ON OCT 19	17 300	1921
1922	---	2.86 ON MAY 12	0 ON AUG 10 *	5 430	1922
1923	---	6.29 ON JUL 6	0 ON SEP 11	---	1923
1924	---	0.190 ON SEP 9	0 E ON APR 1	1 630	1924
1925	---	1.40 ON JUN 10	0 E ON APR 1	6 170	1925
1926	---	0.258 ON JUN 18	0.006 ON AUG 2	1 540	1926
1927	---	8.16 ON JUL 9	0 B ON APR 1	18 800	1927
1928	---	5.32 ON MAY 4	0.028B ON APR 1	14 200	1928
1929	---	2.01 ON JUL 14	0.006B ON OCT 31	5 890	1929
1930	---	5.47 ON JUN 15	0 B ON APR 1	13 900	1930
1931	---	---	---	---	1931
1980	---	---	---	---	1980
1981	---	2.52 ON APR 1	0 ON SEP 16	5 290	1981
1982	2.68B AT 17:00 MST ON APR 22 *	2.48 B ON APR 22	0 B ON APR 1	2 510	1982
MEAN				8 420	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	38.4	16.6	2.04	1.21	0.994	---	---	---	1920
1921	---	---	---	---	0.539	0.337	2.89	3.46	1.61	0.412	---	---	---	1921
1922	---	---	---	---	2.10	---	---	---	0.057	0.024	---	---	---	1922
1923	---	---	---	0.704	0.596	0.455	0.791	0.300	0.198	0.142	---	---	0.455	1923
1924	---	---	---	0.104	0.316	0.055	0.029	0.016	0.018	0.040	---	---	0.083	1924
1925	---	---	---	1.08	1.84	1.60	0.696	0.259	0.101	0.068	---	---	0.804	1925
1926	---	---	---	0.117	0.126	0.092	0.013	0	0	0.003	---	---	0.050	1926
1927	---	---	0.010	0.101	0.118	0.119	9.71	7.17	2.60	2.73	---	---	3.25	1927
1928	---	---	---	0.615	1.85	1.17	0.827	0.451	0.323	0.280	---	---	0.790	1928
1929	---	---	---	0.936	0.951	0.357	0.335	0.336	0.299	0.225	---	---	0.491	1929
1930	---	---	---	0.133	0.207	0.938	1.09	0.492	0.306	0.349	---	---	0.502	1930
1931	---	---	---	0.018	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.010	0.423	0.864	4.35	3.30	1.45	0.611	0.479	---	---	0.803	MEAN

LOCATION - LAT 54 45 20 N DRAINAGE AREA, 666 km²
LONG 112 52 23 W NATURAL FLOW

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	63.4 ON JUN 24 *	---	---	1920
1921	---	4.87 ON AUG 2	---	---	1921
1922	---	---	---	---	1922
1923	---	2.83 B ON APR 16	0 B ON APR 1 *	8 430	1923
1924	---	1.53 B ON MAY 2	0 ON JUL 30	1 540	1924
1925	---	2.89 ON MAY 1	0 B ON APR 1	14 900	1925
1926	---	0.227B ON APR 13	0 ON JUL 20	923	1926
1927	---	21.9 ON JUL 9	0.006B ON APR 2	60 100	1927
1928	---	2.86 ON MAY 16	0.210 ON OCT 10	14 600	1928
1929	---	1.76 B ON APR 14	0.093B ON OCT 31	9 080	1929
1930	---	1.70 ON JUN 16	0 B ON APR 2	9 290	1930
1931	---	---	0 B ON APR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 900	MEAN

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	4.10	3.06	1.95	1.29	0.743	---	1912
1913	0.817	0.712	0.583	1.05	2.68	10.4	4.68	3.40	2.77	1.85	1.24	0.924	4.27	1913
1914	0.652	0.635	0.793	0.825	3.45	8.68	5.69	2.22	1.50	1.81	1.23	0.683	3.88	1914
1915	0.765	0.585	0.440	0.942	2.17	5.20	6.42	3.26	2.05	1.72	1.28	0.527	3.47	1915
1916	0.547	0.602	0.536	0.837	1.66	8.66	8.87	3.53	2.34	1.53	0.884	0.587	4.42	1916
1917	0.432	0.464	0.368	0.379	2.06	7.02	5.81	2.25	1.38	1.25	0.800	0.769	3.29	1917
1918	0.516	0.380	0.364	0.502	2.08	5.98	3.72	2.12	1.43	1.22	0.788	0.528	2.75	1918
1919	0.464	0.446	0.334	0.669	3.38	5.06	2.83	2.54	1.35	0.734	0.507	0.304	2.64	1919
1920	0.221	0.305	0.339	---	---	---	---	---	---	---	---	---	---	1920
1945	---	---	---	---	---	---	---	---	---	1.10	0.653	0.644	---	1945
1946	0.511	0.443	0.448	0.627	---	7.18	3.94	2.31	2.68	1.94	1.19	0.827	---	1946
1947	0.653	0.489	0.451	0.781	5.62	7.54	4.22	1.93	1.70	1.43	1.09	0.877	3.73	1947
1948	0.715	0.631	0.502	0.602	---	---	---	---	---	---	---	---	---	1948
1972	---	---	---	---	3.16	10.3	6.40	3.65	2.17	1.63	---	---	4.53	1972
1973	---	---	---	---	3.72	8.72	5.95	2.37	1.41	0.950	---	---	3.84	1973
1974	---	---	---	---	1.37	8.99	5.18	2.62	1.49	1.13	---	---	3.44	1974
1975	---	---	---	---	1.11	3.46	3.34	2.18	1.57	1.06	---	---	2.12	1975
1976	---	---	---	---	3.88	5.29	6.10	3.75	2.39	1.31	---	---	3.79	1976
1977	---	---	---	---	2.59	4.93	3.07	2.56	1.87	1.29	---	---	2.71	1977
MEAN	0.572	0.517	0.469	0.721	2.78	7.16	5.08	2.80	1.95	1.41	0.996	0.674	3.49	MEAN

LOCATION - LAT 51 12 24 N DRAINAGE AREA, 133 km^2
LONG 115 35 05 W NATURAL FLOW

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	15.7 ON JUN 12	1.02 ON MAY 9	67 800	1913
1914	---	13.7 ON JUN 17	1.19 ON SEP 7	61 600	1914
1915	---	14.4 ON JUN 26	1.53 ON OCT 25	55 200	1915
1916	---	20.2 ON JUN 19 *	0.906 ON MAY 1	70 300	1916
1917	---	10.0 ON JUN 18	0.368 ON MAY 1	52 300	1917
1918	---	12.0 ON JUN 14	0.552 ON MAY 2	43 700	1918
1919	---	8.44 ON MAY 28	0.340 ON OCT 27 *	42 000	1919
1920	---	0 ON 5(: 0	900 000 ON 5(: 0	---	1920
1945	---	---	---	---	1945
1946	---	13.1 ON MAY 29	1.06 ON MAY 1	---	1946
1947	---	16.9 ON JUN 12	1.21 ON OCT 30	59 200	1947
1948	---	0 ON 5(: 0	900 000 ON 5(: 0	---	1948
1972	18.1 AT 08:00 MST ON JUN 1	16.9 ON JUN 1	0.428 ON MAY 10	71 900	1972
1973	12.7 AT 15:00 MST ON JUN 24	12.5 ON JUN 24	0.623E ON MAY 1	61 000	1973
1974	20.5 AT 03:00 MST ON JUN 17 *	18.6 ON JUN 24	0.864 ON MAY 19	54 800	1974
1975	5.24 AT 04:30 MST ON JUN 26	5.13 ON JUN 25	0.595 ON MAY 1	33 700	1975
1976	15.3 AT 03:30 MST ON JUL 1	13.3 ON JUL 1	1.10 E ON OCT 29	60 300	1976
1977	12.0 AT 02:00 MST ON JUN 8	11.2 ON JUN 8	1.06 ON OCT 31	43 200	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 500	MEAN

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	45.0	31.4	32.0	20.8	8.16	---	---	---	1965
1966	---	---	0.107	3.45	22.7	9.95	13.1	18.8	6.04	0.685	---	---	9.39	1966
1967	---	---	0.709	2.49	42.7	20.4	1.72	1.19	0.660	0.618	---	---	8.82	1967
1968	---	---	1.12	3.24	20.6	23.1	4.29	3.81	3.23	3.26	---	---	7.81	1968
1969	---	---	0.446	20.0	11.3	1.95	2.86	7.27	12.9	3.80	---	---	7.52	1969
1970	---	---	1.13	4.84	27.9	18.6	13.1	6.02	4.70	2.18	---	---	9.81	1970
1971	---	---	0.500	10.6	17.8	38.1	97.0	17.4	3.64	2.73	---	---	23.5	1971
1972	---	---	0.580	4.72	63.6	25.2	14.9	7.59	4.02	3.39	---	---	15.5	1972
1973	---	---	0.592	5.77	19.1	29.1	8.65	9.57	5.34	5.41	---	---	10.4	1973
1974	---	---	0.821	26.7	73.5	11.5	33.1	5.10	3.81	3.32	---	---	19.8	1974
1975	---	---	0.692	7.76	20.3	25.1	15.7	8.66	12.2	4.32	---	---	11.8	1975
1976	---	---	0.795	19.3	11.5	11.8	17.5	35.6	15.4	6.05	---	---	14.7	1976
1977	---	---	1.37	16.7	42.6	26.6	29.3	6.02	6.22	5.49	---	---	16.8	1977
1978	---	---	0.926	9.26	15.7	16.7	18.3	7.35	21.0	8.11	---	---	12.1	1978
1979	---	---	1.22	4.03	45.2	45.9	44.6	7.77	2.35	2.06	---	---	19.2	1979
1980	---	---	0.165	13.8	7.25	11.8	13.4	10.4	16.6	6.61	---	---	9.97	1980
1981	---	---	1.27	9.51	10.8	14.2	8.35	3.13	1.07	1.57	---	---	6.21	1981
1982	---	---	0.382	3.56	30.9	4.18	28.5	32.4	5.76	3.61	---	---	13.8	1982
MEAN	---	---	0.754	9.75	28.5	21.1	22.0	12.2	8.10	3.97	---	---	12.8	MEAN

LOCATION - LAT 54 21 52 N DRAINAGE AREA, 1 660 km²
LONG 114 54 13 W NATURAL FLOW

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	399 ON JUN 29 *	---	---	1965
1966	---	67.1 ON AUG 29	0.057B ON MAR 1 *	199 000	1966
1967	---	72.8 ON MAY 18	0.541B ON MAR 1	186 000	1967
1968	---	49.6 ON JUN 14	1.02 B ON MAR 17	165 000	1968
1969	---	46.4 ON APR 19	0.057B ON MAR 1	159 000	1969
1970	101 AT 11:42 MST ON JUN 17	83.8 ON JUN 17	0.878B ON APR 9	208 000	1970
1971	---	362 A ON JUL 5	0.453 ON MAR 1	499 000	1971
1972	187 AT 15:00 MST ON MAY 19 *	171 ON MAY 19	0.453B ON MAR 1	329 000	1972
1973	124 AT 14:00 MST ON JUN 17	103 ON JUN 17	0.538B ON MAR 1	220 000	1973
1974	---	231 ON JUL 14	0.813B ON APR 2	419 000	1974
1975	---	227 A ON JUN 29	0.680B ON MAR 1	250 000	1975
1976	---	186 A ON AUG 28	0.779B ON MAR 1	312 000	1976
1977	---	116 ON MAY 7	1.05 B ON MAR 25	356 000	1977
1978	---	77.0 ON JUL 12	0.657B ON MAR 22	257 000	1978
1979	---	223 ON JUL 3	0.668B ON MAR 1	406 000	1979
1980	---	35.7 ON SEP 18	0.051B ON MAR 2	211 000	1980
1981	---	36.0 ON JUL 23	0.646 ON SEP 17	131 000	1981
1982	---	151 ON AUG 5	0.290B ON MAR 19	292 000	1982
MEAN				271 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	3.48	---	---	---	---	1947
1949	---	---	---	---	2.36	3.29	2.24	1.29	1.55	1.21	0.881	0.672	---	1949
1950	0.602	0.556	0.519	0.487	1.81	8.45	5.43	2.68	1.30	0.992	0.672	0.581	2.01	1950
1951	0.545	0.482	0.435	0.412	3.95	1.65	2.13	3.55	4.94	2.39	1.42	0.865	1.91	1951
1952	0.677	0.597	0.718	0.882	3.57	3.80	6.02	3.77	1.99	1.33	0.894	0.625	2.08	1952
1953	0.582	0.566	0.495	0.486	2.16	0.166	1.68	2.30	1.50	1.07	0.846	0.692	1.05	1953
1954	0.702	0.592	0.573	0.484	3.10	3.48	2.90	4.14	2.83	2.08	1.36	0.857	1.93	1954
1955	---	---	---	0.276	1.58	3.70	4.93	1.87	1.40	1.15	1.02	---	---	1955
1956	---	---	---	0.579	4.20	4.36	5.27	2.44	1.77	1.13	0.822	0.708	---	1956
1957	---	---	0.508	0.557	5.39	5.43	2.69	1.93	1.84	1.86	1.24	---	---	1957
1958	---	---	---	0.542	6.25	6.48	6.85	2.37	2.26	1.44	0.927	---	---	1958
1959	---	---	---	0.593	2.45	6.75	4.16	2.48	2.19	1.63	1.12	---	---	1959
1960	---	---	---	0.550	2.06	6.19	3.64	2.52	1.40	1.20	0.841	---	---	1960
1961	---	---	---	0.452	1.62	2.43	3.09	2.88	1.66	1.97	1.40	---	---	1961
1962	---	---	---	0.681	1.53	5.69	4.12	2.21	1.86	1.16	0.858	---	---	1962
1963	---	---	---	0.479	2.62	6.46	7.25	3.11	2.70	1.55	1.00	---	---	1963
1964	---	---	---	0.527	1.87	1.92	5.25	1.54	1.86	1.63	0.977	---	---	1964
1965	---	---	---	0.567	2.06	2.84	0.851	4.30	4.07	2.60	1.42	---	---	1965
1966	---	---	---	0.584	3.12	2.14	4.84	2.56	1.64	1.33	---	---	---	1966
1967	---	---	---	0.497	2.39	0.181	2.76	2.07	1.21	0.928	0.758	---	---	1967
1968	---	---	---	0.456	2.29	6.92	4.45	2.86	1.98	1.75	1.01	---	---	1968
MEAN	0.622	0.559	0.541	0.531	2.82	4.12	4.03	2.64	2.16	1.52	1.02	0.714	1.80	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1949	---	6.85 ON MAY 22	---	---	1949
1950	---	29.4 ON JUN 16 *	0.453 ON APR 19	63 500	1950
1951	---	10.7 ON MAY 23	0.142 ON JUN 29	60 100	1951
1952	---	9.66 ON MAY 18	0.142E ON JUN 28	65 900	1952
1953	---	6.48 ON MAY 19	0.125 ON JUL 16 *	33 200	1953
1954	---	13.5 ON JUN 11	0.198E ON SEP 4	61 000	1954
1955	---	10.9 ON JUN 13	---	---	1955
1956	---	11.8 ON MAY 19	---	---	1956
1957	---	9.34 ON MAY 20	---	---	1957
1958	---	10.0 ON JUL 1	---	---	1958
1959	---	8.95 ON MAY 18	---	---	1959
1960	---	9.40 ON JUN 2	---	---	1960
1961	---	10.9 ON MAY 22	---	---	1961
1962	---	9.46 ON JUL 8	---	---	1962
1963	---	11.3 ON JUL 25	---	---	1963
1964	---	11.0 ON JUL 4	---	---	1964
1965	---	10.1 ON JUN 10	---	---	1965
1966	---	9.15 ON MAY 12	---	---	1966
1967	---	8.33 ON MAY 29	---	---	1967
1968	---	9.63 ON JUN 10	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		56 700	MEAN

E - ESTIMATED

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	---	2.43	0.716	0	0	0	---	1941
1942	0	0	0	0	2.61	5.55	3.00	0.553	1.58	0.311	0.089	0	1.14	1942
1943	0	0	0	0	1.14	4.43	6.19	0.805	0.955	0.710	0.342	0.023	1.22	1943
1944	0	0	0	0	2.22	4.50	1.73	2.87	1.32	0.982	0.600	0.313	1.21	1944
1945	0	0	0	0	3.21	7.74	3.16	1.70	1.16	1.52	0.191	0	1.56	1945
1946	0	0	0	0	2.47	4.13	2.40	2.14	2.70	1.26	0.900	0.128	1.35	1946
1947	0	0	0	0.274	2.96	5.23	2.70	2.56	2.42	1.08	0.471	0	1.48	1947
1949	0	0	0	0.021	1.60	1.82	1.28	0.753	1.05	1.02	0.696	0.099	0.699	1949
1950	0	0	0	0.058	1.02	7.99	3.21	1.59	1.13	0.820	0.149	0	1.33	1950
1951	0	0	0	0	2.71	7.10	6.99	2.78	4.37	1.04	0.554	0.049	2.14	1951
1952	0	0	0	0	1.75	7.70	4.28	2.31	1.00	0.633	0.309	0	1.50	1952
1953	0	0	0	0	1.93	10.8	4.63	1.59	1.15	0.808	0.476	0.082	1.79	1953
1954	0	0	0	0	2.38	8.53	5.70	5.80	2.51	1.54	0.775	0.070	2.29	1954
1955	0	0	0	0	0.797	6.34	3.94	1.31	1.09	0.848	0.218	0	1.21	1955
1956	0	0	0	0.046	4.03	4.98	4.19	1.96	1.22	0.659	0.370	0.016	1.46	1956
1957	0	0	0	0.037	4.66	4.58	1.99	1.22	1.13	1.13	0.624	0.198	1.31	1957
1958	0	0	0	0	5.02	5.29	5.61	1.57	1.52	0.848	0.284	0	1.69	1958
1959	0	0	0	0	1.49	5.63	3.13	1.68	1.62	1.25	0.340	0.074	1.27	1959
1960	0	0	0	0	1.09	4.32	2.46	1.75	0.850	0.698	0.159	0	0.945	1960
1961	0	0	0	0.001	3.99	3.94	2.28	1.99	1.02	1.28	0.672	0	1.27	1961
1962	0	0	0	0	1.28	4.43	3.23	1.58	1.18	0.621	0.348	0	1.06	1962
1963	0	0	0	0	1.56	6.75	5.55	2.11	1.83	0.999	0.288	0	1.60	1963
1964	0	0	0	0	1.03	9.65	4.21	0.872	1.09	0.929	0.412	0	1.51	1964
1965	0	0	0	0	1.23	10.3	4.81	3.84	3.17	1.87	0.982	0.197	2.21	1965
1966	0	0	0	0	2.84	3.55	4.14	1.94	1.20	0.971	0.314	0	1.26	1966
1967	0	0	0	0	3.19	8.25	2.60	1.38	0.810	0.512	0.350	0.015	1.43	1967
1968	0	0	0	0	1.48	5.81	3.60	2.25	1.50	1.43	0.490	0	1.38	1968
1969	0	0	0	0.138	4.20	7.45	6.41	1.55	0.679	0.374	0.151	0	1.76	1969
1970	0	0	0	0	1.63	8.30	2.49	0.993	0.715	0.577	0.276	0	1.25	1970
1971	0	0	0	0.001	2.94	6.92	2.27	0.748	0.816	0.823	0.299	0	1.24	1971
1972	0	0	0	0	3.05	8.92	4.95	2.27	1.97	1.41	0.610	0	1.93	1972
1973	0	0	0.008	0.088	4.14	7.61	3.50	1.82	2.17	1.07	0.245	0	1.73	1973
1974	0	0	0	0.002	1.34	11.0	4.20	2.74	2.10	1.05	0.530	0.051	1.92	1974
1975	0	0	0	0	0.463	3.58	2.70	1.98	1.13	0.801	0.414	0	0.926	1975
1976	0	0	0	0	2.58	3.46	2.97	1.94	1.28	1.09	0.485	0.027	1.16	1976
1977	0	0	0	0	2.04	3.37	1.79	2.95	1.82	1.23	0.387	0	1.14	1977
1978	---	---	---	---	1.85	6.47	3.81	2.29	1.60	0.970	---	---	---	1978
1979	0	0	0	0	1.32	3.46	1.62	1.01	0.762	0.401	0.161	0	0.729	1979
1980	0	0	0	0.168	2.64	6.08	1.46	1.31	1.21	0.835	0.526	0.011	1.18	1980
1981	0	0	0	0	6.01	4.90	6.81	2.84	1.07	0.662	0.444	0.036	1.92	1981
1982	0	0	0	0	0.781	6.40	2.91	1.12	1.05	1.11	0.514	0.012	1.16	1982
MEAN	0	0	0	0.021	2.37	6.18	3.62	1.92	1.46	0.931	0.411	0.035	1.42	MEAN

LOCATION - LAT 51 17 00 N
LONG 115 10 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	0 ON AUG 1 *	---	1941
1942	---	14.0 ON JUN 29	0 ON JAN 1	36 100	1942
1943	---	13.4 ON JUL 14	0 ON JAN 1	38 600	1943
1944	---	11.2 E ON MAY 28	0 ON JAN 1	38 400	1944
1945	---	22.7 ON MAY 30	0 ON JAN 1	49 200	1945
1946	---	20.4 ON MAY 28	0 ON JAN 1	42 500	1946
1947	---	13.8 ON JUN 9	0 ON JAN 1	46 700	1947
1949	---	5.72E ON MAY 21	0 ON JAN 1	22 000	1949
1950	---	28.0 E ON JUN 16	0 ON JAN 1	41 900	1950
1951	---	23.0 ON JUN 14	0 ON JAN 1	67 500	1951
1952	---	18.8 ON JUN 23	0 ON JAN 1	47 500	1952
1953	---	37.1 ON JUN 13	0 ON JAN 1	56 400	1953
1954	---	23.5 ON AUG 25	0 ON JAN 1	72 100	1954
1955	---	20.0 ON JUN 12	0 ON JAN 1	38 300	1955
1956	---	15.8 ON MAY 20	0 ON JAN 1	46 200	1956
1957	---	8.50 ON MAY 20	0 ON JAN 1	41 200	1957
1958	---	8.58 ON JUL 1	0 ON JAN 1	53 200	1958
1959	---	8.13 ON JUN 13	0 ON JAN 1	40 100	1959
1960	---	6.57 ON JUN 2	0 ON JAN 1	29 900	1960
1961	---	15.0 ON MAY 27	0 ON JAN 1	40 100	1961
1962	---	6.34 ON JUL 8	0 ON JAN 1	33 400	1962
1963	---	13.1 ON JUN 29	0 ON JAN 1	50 400	1963
1964	---	30.3 ON JUN 8	0 ON JAN 1	47 800	1964
1965	---	40.8 ON JUN 17	0 ON JAN 1	69 600	1965
1966	---	15.2 ON JUL 3	0 ON JAN 1	39 600	1966
1967	---	28.6 ON MAY 31	0 ON JAN 1	45 000	1967
1968	---	9.68 ON JUN 2	0 ON JAN 1	43 700	1968
1969	---	19.5 ON JUL 4	0 ON JAN 1	55 500	1969
1970	---	45.9 ON JUN 16 *	0 ON JAN 1	39 300	1970
1971	---	24.2 ON JUN 6	0 ON JAN 1	38 900	1971
1972	---	18.5 ON JUN 24	0 ON JAN 1	61 100	1972
1973	---	14.5 ON JUN 24	0 ON JAN 1	54 400	1973
1974	---	25.2 ON JUN 16	0 ON JAN 1	60 400	1974
1975	---	7.19 ON JUN 20	0 ON JAN 1	29 200	1975
1976	---	8.27 ON AUG 5	0 ON JAN 1	36 600	1976
1977	---	7.70 ON JUN 8	0 ON JAN 1	35 900	1977
1978	---	11.6 ON JUN 5	0 ON APR 25	---	1978
1979	---	8.18 ON MAY 27	0 ON JAN 1	23 000	1979
1980	---	11.1 ON JUN 10	0 ON JAN 1	37 500	1980
1981	---	27.2 ON MAY 26	0 ON JAN 1	60 400	1981
1982	---	10.1 ON JUN 16	0 ON JAN 1	36 500	1982
				44 800	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	1.59	4.06	3.17	1.48	0.885	0.767	---	1941
1942	0.569	0.478	0.382	0.333	4.30	8.82	6.60	3.35	4.10	1.73	0.923	0.751	3.77	1942
1943	0.608	0.465	0.458	0.761	2.73	6.27	7.90	2.15	1.26	0.946	0.650	0.502	2.84	1943
1944	0.481	0.460	0.444	0.444	3.54	6.98	3.43	4.54	1.87	1.12	0.788	0.608	2.84	1944
1945	0.537	0.481	0.439	0.381	3.82	10.9	5.39	3.12	2.56	2.37	1.22	0.906	3.72	1945
1946	0.683	0.510	0.453	0.466	3.42	6.64	3.08	2.73	3.79	1.81	1.13	0.805	2.88	1946
1947	0.659	0.564	0.519	0.816	4.72	7.50	3.80	3.26	3.48	2.13	1.36	0.960	3.38	1947
1948	---	---	---	---	---	---	---	---	---	2.13	1.36	---	---	1948
1949	---	---	---	---	2.56	3.73	2.24	1.29	1.55	1.21	0.881	0.672	---	1949
1950	0.602	0.556	0.519	0.487	1.81	11.4	5.43	2.68	1.30	0.992	0.672	0.581	3.09	1950
1951	0.545	0.482	0.435	0.441	4.78	9.84	9.85	4.30	6.89	2.39	1.41	0.865	4.99	1951
1952	0.678	0.596	0.719	0.883	3.64	10.5	6.26	3.79	1.99	1.34	0.895	0.621	3.66	1952
1953	0.584	0.565	0.494	0.488	3.53	16.8	8.61	2.31	1.50	1.07	0.846	0.692	4.38	1953
1954	0.702	0.592	0.573	0.484	3.47	11.8	8.10	7.75	4.51	2.10	1.36	0.857	4.96	1954
1955	---	---	---	0.480	1.63	9.72	6.03	1.87	1.40	1.15	1.02	---	2.91	1955
1956	---	---	---	0.579	5.79	7.25	5.43	2.44	1.77	1.13	0.822	0.708	3.16	1956
1957	---	---	0.508	0.559	5.43	5.48	2.69	1.93	1.84	1.86	1.24	---	2.63	1957
1958	---	---	---	0.542	6.77	6.61	7.34	2.37	2.27	1.44	0.930	---	3.55	1958
1959	---	---	---	0.593	2.47	7.65	4.21	2.48	2.19	1.64	1.12	---	2.79	1959
1960	---	---	---	0.550	2.07	6.46	3.74	2.61	1.40	1.20	0.841	---	2.36	1960
1961	---	---	---	0.452	6.35	5.95	3.13	2.88	1.66	1.97	1.40	---	2.98	1961
1962	---	---	---	0.681	2.72	5.72	4.35	2.21	1.86	1.16	0.858	---	2.45	1962
1963	---	---	---	0.479	2.66	10.1	8.45	3.15	2.72	1.55	1.00	---	3.77	1963
1964	---	---	---	0.527	2.22	14.2	6.29	1.54	1.86	1.63	0.977	---	3.65	1964
1965	---	---	---	0.567	2.14	14.4	9.07	5.58	4.07	2.60	1.42	---	4.98	1965
1966	---	---	---	0.584	4.86	6.33	5.80	2.57	1.64	1.33	---	---	---	1966
1967	---	---	---	0.497	4.64	13.0	4.15	2.07	1.21	0.928	0.758	---	3.40	1967
1968	---	---	---	0.456	2.38	7.47	4.45	2.86	1.98	1.75	1.01	---	2.80	1968
1969	---	---	---	0.669	6.00	10.1	8.95	2.27	1.31	1.05	0.819	---	3.90	1969
1970	---	---	---	0.433	2.40	10.1	3.19	1.35	0.945	0.806	0.684	---	2.47	1970
1971	---	---	---	0.461	4.23	9.07	3.49	1.65	1.30	1.20	0.898	---	2.78	1971
1972	---	---	---	0.504	4.37	12.8	6.52	3.04	2.21	1.53	1.07	---	4.01	1972
1973	---	---	---	0.571	6.00	10.4	4.26	2.20	2.42	1.31	0.932	---	3.51	1973
1974	---	---	---	0.589	2.34	15.2	5.16	3.07	2.37	1.34	0.903	---	3.86	1974
1975	---	---	---	0.471	1.29	5.33	4.02	2.73	1.63	1.15	0.846	---	2.18	1975
1976	---	---	---	0.537	3.78	4.56	4.11	5.11	2.73	1.55	1.01	---	2.94	1976
1977	---	---	---	0.518	3.26	5.11	2.49	3.86	2.41	1.70	1.05	---	2.55	1977
1978	---	---	---	0.566	2.65	9.05	5.03	3.05	2.25	1.53	1.10	---	3.15	1978
1979	---	---	---	0.487	2.38	4.66	2.57	1.83	1.34	0.968	0.811	---	1.88	1979
1980	---	---	---	0.776	4.26	9.05	1.99	2.15	2.07	1.34	0.877	---	2.81	1980
1981	---	---	---	0.475	9.03	7.47	11.0	4.50	1.79	1.19	0.878	---	4.57	1981
1982	---	---	---	0.460	1.46	8.75	3.75	1.51	1.33	1.36	0.885	---	2.43	1982
MEAN	0.604	0.523	0.495	0.540	3.70	8.83	5.22	2.93	2.24	1.48	0.989	0.735	3.29	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W

DRAINAGE AREA, 211 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	18.6 AT 21:00 MST ON JUN 28	15.7 ON JUN 29	0.314E ON APR 10	79 600	1942
1943	19.9 AT 01:30 MST ON JUL 14	14.8 ON JUL 14	0.453E ON APR 1	60 000	1943
1944	24.7 AT 21:30 MST ON MAY 28	13.8 ON MAY 28	0.292 ON MAY 8 *	60 000	1944
1945	37.7 AT 23:00 MST ON MAY 30	24.7 ON MAY 30	0.351A ON APR 30	78 400	1945
1946	43.3 AT 16:30 MST ON MAY 28	22.8 ON MAY 28	0.425E ON APR 1	60 800	1946
1947	20.4 AT 03:00 MST ON MAY 10	16.3 ON JUN 9	0.538B ON APR 1	71 300	1947
1948	---	---	---	---	1948
1949	11.0 AT 12:30 MST ON MAY 21	7.79 ON MAY 21	---	---	1949
1950	---	39.4 E ON JUN 16	0.453 ON APR 19	65 200	1950
1951	43.9 ON JUN 14	27.8 ON JUN 14	0.360 ON APR 20	105 000	1951
1952	---	24.7 ON JUN 23	0.765 ON NOV 30	77 300	1952
1953	126 ON JUN 13 *	57.5 ON JUN 13 *	0.453 ON APR 1	92 500	1953
1954	39.1 AT 16:30 MST ON AUG 25	30.0 ON AUG 25	0.425 ON APR 30	105 000	1954
1955	48.4 AT 22:30 MST ON JUN 11	27.2 ON JUN 12	0.430 ON APR 27	61 400	1955
1956	36.8E AT 21:00 MST ON MAY 20	20.1 E ON MAY 20	0.462 ON APR 3	66 600	1956
1957	11.8 AT 03:00 MST ON MAY 20	9.63 ON JUN 8	0.456 ON APR 1	55 600	1957
1958	13.8 AT 20:45 MST ON MAY 20	11.7 ON JUL 1	0.490 ON APR 6	74 700	1958
1959	14.8 AT 22:00 MST ON JUN 12	11.8 ON JUN 13	0.524 ON APR 1	58 900	1959
1960	14.4 AT 23:30 MST ON JUN 2	10.9 ON JUN 2	0.507 ON APR 1	49 800	1960
1961	31.1 AT 22:00 MST ON MAY 23	20.6 ON MAY 27	0.394 ON APR 28	62 900	1961
1962	14.3 AT 23:00 MST ON JUL 7	10.5 ON JUL 8	0.493 ON APR 9	51 600	1962
1963	35.4 AT 20:00 MST ON JUN 29	19.5 ON JUN 30	0.413 ON APR 10	79 500	1963
1964	47.6 AT 11:00 MST ON JUN 8	36.2 ON JUN 8	0.507 ON APR 13	77 000	1964
1965	---	46.2 ON JUN 17	0.453E ON APR 1	105 000	1965
1966	26.3 AT 11:00 MST ON JUL 3	21.9 ON JUL 3	---	---	1966
1967	48.7 AT 24:00 MST ON MAY 30	34.8 ON MAY 31	0.481E ON APR 1	71 600	1967
1968	23.5 AT 20:30 MST ON JUN 2	13.0 ON JUN 2	0.425 ON APR 23	59 000	1968
1969	29.2 AT 22:00 MST ON JUL 4	25.0 ON JUL 4	0.456 ON APR 1	82 400	1969
1970	65.7 AT 11:00 MST ON JUN 16	47.6 ON JUN 16	0.422 ON APR 5	52 200	1970
1971	---	30.0 ON JUN 6	0.377 ON APR 1	58 700	1971
1972	---	24.9 ON JUN 24	0.453 ON APR 25	84 500	1972
1973	---	20.2 ON JUN 24	0.538 ON APR 1	74 100	1973
1974	---	32.6 ON JUN 16	0.496 ON APR 1	81 300	1974
1975	---	10.7 ON JUN 22	0.453E ON APR 1	46 100	1975
1976	---	13.5 ON AUG 5	0.467 ON APR 2	61 800	1976
1977	19.7 AT 23:10 MST ON JUN 1	12.5 ON JUN 8	0.510 ON APR 1	53 700	1977
1978	25.3 AT 23:15 MST ON JUN 5	17.2 ON JUN 5	0.481 ON APR 1	66 500	1978
1979	---	12.0 ON MAY 27	0.453 ON APR 1	39 700	1979
1980	---	16.3 ON JUN 10	0.396 ON APR 1	59 200	1980
1981	---	35.0 ON MAY 26	0.453 ON APR 5	96 400	1981
1982	---	14.9 ON JUN 16	0.425 ON APR 1	51 300	1982
				69 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	14.3	8.24	---	---	---	1911
1912	3.61	2.82	3.26	3.67	10.1	8.49	30.4	10.5	15.4	11.2	7.88	5.54	10.1	1912
1913	4.18	3.74	3.07	6.00	8.94	10.5	15.7	12.1	9.99	8.19	6.52	5.34	7.88	1913
1914	3.62	3.02	3.19	4.05	4.80	7.59	7.87	6.89	5.84	6.44	5.49	3.20	5.18	1914
1915	3.04	2.68	2.70	3.83	9.06	36.8	41.2	27.9	16.3	11.8	8.89	6.90	14.4	1915
1916	3.58	3.10	4.03	9.63	9.24	41.5	25.4	21.5	21.5	16.0	9.24	6.15	14.2	1916
1917	4.47	3.28	2.50	4.61	27.5	60.1	20.8	7.03	8.42	6.64	5.27	3.79	12.9	1917
1918	3.19	2.57	2.94	4.21	5.58	9.51	6.97	8.35	7.60	5.46	4.74	3.87	5.43	1918
1919	2.91	1.77	2.08	8.49	5.42	3.33	3.74	11.5	6.05	5.38	4.53	2.24	4.80	1919
1920	2.10	1.77	1.44	3.64	17.7	7.80	21.5	10.4	6.60	---	---	---	---	1920
1928	---	---	---	---	---	---	---	---	---	---	---	5.07	---	1928
1929	3.22	2.08	2.58	5.30	11.5	35.0	9.19	6.91	6.04	5.36	3.04	2.82	7.75	1929
1930	2.52	2.66	2.18	5.28	9.58	14.4	11.4	8.09	7.00	4.80	4.41	3.54	6.41	1930
1931	2.99	3.47	2.55	3.75	4.52	5.32	5.72	6.03	5.64	4.92	3.95	3.28	4.35	1931
1932	3.06	2.75	3.03	3.47	8.39	32.6	10.4	8.88	8.15	6.88	5.48	4.07	8.08	1932
1933	2.87	2.46	3.24	6.79	10.6	9.69	7.60	7.10	6.35	5.48	5.17	3.30	5.91	1933
1934	2.54	2.49	2.48	2.95	4.14	5.11	5.25	4.89	4.81	3.78	3.38	2.82	3.73	1934
1935	2.24	2.41	2.44	2.49	3.60	5.14	5.27	6.74	6.05	4.58	3.61	3.31	4.00	1935
1936	2.71	2.28	2.52	3.63	3.90	5.43	3.88	4.70	4.31	3.21	3.04	2.60	3.52	1936
1937	1.95	1.60	1.81	2.08	3.31	7.70	7.18	6.89	6.23	5.74	4.68	3.43	4.40	1937
1938	2.68	1.89	1.76	2.91	6.32	7.21	14.1	8.32	6.13	5.17	4.22	3.93	5.42	1938
1939	3.08	2.09	4.12	3.42	2.59	14.7	10.0	6.85	6.20	5.38	4.30	3.36	5.52	1939
1940	2.62	2.14	2.43	4.75	5.28	4.55	6.21	5.16	4.48	5.03	4.34	3.77	4.24	1940
1941	3.12	2.93	2.17	2.45	3.62	5.11	3.98	4.42	5.97	6.14	5.32	4.27	4.30	1941
1942	4.06	3.47	2.98	2.90	7.51	10.2	12.3	12.3	12.0	8.74	6.41	5.13	7.30	1942
1943	3.99	3.20	6.93	8.71	6.48	9.57	9.96	7.92	6.70	5.76	4.53	3.49	6.45	1943
1944	2.92	2.22	2.23	3.08	3.78	6.86	6.27	8.67	6.67	5.56	4.34	2.98	4.64	1944
1945	2.79	1.85	2.52	3.14	10.4	12.4	9.91	8.43	7.90	7.63	5.72	4.64	6.47	1945
1946	3.86	3.65	3.41	5.30	4.99	9.08	8.24	8.14	8.98	7.17	6.07	5.30	6.19	1946
1947	4.01	2.04	4.06	8.04	11.8	17.9	11.0	11.5	9.61	8.37	6.52	5.92	8.40	1947
1948	5.55	3.74	2.86	8.81	25.5	20.5	16.5	16.2	8.63	6.44	5.12	4.08	10.4	1948
1949	2.63	1.93	2.16	5.19	4.04	4.60	4.66	4.25	4.34	4.21	3.12	2.88	3.67	1949
1950	1.48	0.977	1.24	3.98	5.60	7.38	7.45	8.16	6.35	5.16	3.40	2.25	4.47	1950
1951	1.92	1.98	2.12	3.14	9.76	18.0	16.6	14.8	23.4	13.4	9.13	6.60	10.1	1951
1952	5.11	4.42	3.49	16.5	7.99	29.0	16.9	12.7	9.17	7.68	6.10	4.10	10.2	1952
1953	3.07	2.01	2.76	4.89	13.2	29.3	15.4	10.6	7.98	6.41	4.96	3.85	8.72	1953
1954	2.55	1.94	2.68	3.97	10.9	16.0	11.1	21.2	15.0	11.5	8.32	5.81	9.29	1954
1955	3.47	3.11	2.95	4.78	9.53	8.92	12.9	8.80	6.38	5.22	3.68	3.12	6.09	1955
1956	2.40	2.57	2.36	4.09	6.00	5.87	8.48	7.43	6.41	4.96	3.73	3.08	4.80	1956
1957	2.52	2.25	2.22	4.35	7.07	7.29	6.18	6.43	6.08	5.64	4.61	3.50	4.86	1957
1958	3.22	2.44	2.31	4.58	7.92	9.67	17.2	9.05	8.29	5.89	4.74	3.99	6.64	1958
1959	2.29	2.10	2.73	3.95	6.00	10.3	9.57	8.74	8.02	7.26	5.96	4.25	5.95	1959
1960	3.68	2.88	5.50	4.70	5.94	5.60	5.57	6.63	5.17	4.58	3.61	2.74	4.73	1960
1961	2.46	1.82	1.83	2.64	8.66	5.42	7.11	7.23	6.42	6.51	4.52	3.59	4.84	1961
1962	3.10	2.37	2.34	6.10	6.07	5.87	7.25	6.43	6.16	4.06	3.95	3.03	4.81	1962
1963	2.68	2.40	2.36	3.32	3.29	7.70	9.97	7.94	6.93	5.49	4.51	3.78	5.05	1963
1964	2.77	2.64	2.35	3.17	6.96	11.4	9.55	6.83	6.33	5.46	4.13	1.31	5.24	1964
1965	1.06	2.30	2.15	3.49	4.27	15.9	20.9	16.1	13.5	10.3	6.86	5.32	8.56	1965
1966	4.14	3.27	4.24	3.81	7.37	8.66	10.4	10.0	6.83	6.06	4.91	3.58	6.13	1966
1967	3.13	2.84	2.93	3.40	15.3	20.5	10.5	8.28	6.01	4.55	3.58	3.08	7.03	1967
1968	2.32	2.21	2.67	2.81	3.88	6.48	6.45	7.94	6.83	6.47	4.84	4.28	4.77	1968
1969	2.93	2.08	2.10	5.86	9.98	14.2	23.1	10.1	7.45	6.10	4.73	3.60	7.73	1969
1970	2.08	1.66	1.75	5.34	6.42	11.9	7.99	5.75	5.26	4.41	3.51	2.53	4.89	1970
1971	2.09	2.02	1.89	3.17	3.89	8.02	5.51	5.69	5.16	4.59	3.43	2.52	4.00	1971
1972	2.30	1.94	2.51	3.79	6.43	11.1	11.4	8.60	7.57	6.25	4.80	3.74	5.88	1972
1973	3.31	3.08	2.75	4.16	12.1	12.5	8.35	7.57	6.39	5.08	4.15	3.47	6.09	1973
1974	2.64	2.60	2.30	5.09	11.2	12.7	7.51	8.16	6.74	5.80	4.87	3.90	6.14	1974
1975	2.98	2.24	2.17	3.33	4.66	4.36	5.02	5.67	4.99	4.55	3.80	3.19	3.92	1975
1976	2.52	2.26	2.19	3.41	4.06	3.93	4.55	8.48	6.75	5.61	4.60	4.24	4.39	1976
1977	3.27	2.65	2.30	2.79	4.52	4.05	4.16	5.73	5.63	5.12	4.30	3.29	3.99	1977
1978	2.55	2.36	2.69	5.75	6.29	7.87	8.57	8.47	7.62	6.08	5.11	4.07	5.63	1978
1979	2.23	2.06	2.90	3.82	5.96	4.66	4.62	5.56	4.56	3.74	2.84	2.53	3.80	1979
1980	2.00	2.03	2.01	4.28	3.93	9.69	6.35	6.69	5.96	4.68	4.04	3.38	4.58	1980
1981	2.63	2.15	2.27	2.43	14.3	11.9	15.6	14.4	8.43	6.51	4.88	3.25	7.44	1981
1982	2.46	1.91	1.69	3.26	4.75	7.11	7.01	6.21	6.30	5.39	3.54	3.07	4.40	1982
MEAN	2.94	2.47	2.67	4.55	7.85	12.4	10.8	9.22	7.88	6.38	4.89	3.79	6.31	MEAN

LOCATION - LAT 51 15 40 N
LONG 114 45 50 W

DRAINAGE AREA, 911 km²
REGULATED

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON JUL 8	2.14 ON APR 22	320 000	1912
1913	---	34.8 E ON JUN 27	2.49 B ON MAR 31	249 000	1913
1914	---	9.85 ON JUN 11	2.58 B ON FEB 5	163 000	1914
1915	---	239 ON JUN 26	2.55 B ON FEB 27	453 000	1915
1916	---	106 ON JUN 20	2.83 B ON FEB 3	450 000	1916
1917	---	110 ON JUN 1	2.41 B ON FEB 21	406 000	1917
1918	---	19.4 A ON JUN 8	1.84 B ON MAR 5	171 000	1918
1919	---	70.8 E ON AUG 5	1.22 B ON FEB 28	151 000	1919
1920	---	49.8 A ON MAY 9	1.02 B ON APR 4	---	1920
1928	---	---	---	---	1928
1929	376 AT 01:00 MST ON JUN 2	227 ON JUN 3	1.98 B ON FEB 19	244 000	1929
1930	51.5 AT 12:00 MST ON JUN 20	19.4 ON JUN 20	1.93 B ON MAR 14	202 000	1930
1931	14.5 AT 21:30 MST ON JUN 17	10.6 ON JUN 19	2.27 B ON MAR 11	137 000	1931
1932	390 AT 14:30 MST ON JUN 2 *	289 ON JUN 2 *	2.46 B ON FEB 1	255 000	1932
1933	34.5 AT 09:00 MST ON JUN 16	19.1 ON JUN 16	1.78 B ON DEC 26	186 000	1933
1934	8.69 AT 05:00 MST ON JUN 9	7.93 ON JUN 9	2.27 B ON FEB 25	117 000	1934
1935	24.5 AT 10:00 MST ON JUN 29	9.51 ON JUN 30	1.84 B ON JAN 19	126 000	1935
1936	13.8 AT 13:00 MST ON JUN 15	8.69 ON JUN 19	2.18 B ON FEB 19	111 000	1936
1937	38.5 AT 23:00 MST ON JUN 14	19.9 ON JUN 15	1.50 B ON FEB 7	139 000	1937
1938	51.5 AT 24:00 MST ON JUL 2	32.6 ON JUL 3	1.59 B ON FEB 16	171 000	1938
1939	50.4 AT 01:00 MST ON JUN 17	33.4 ON JUN 30	1.47 B ON MAR 16	174 000	1939
1940	12.5 AT 11:00 MST ON JUL 27	11.8 ON JUL 27	2.01 B ON FEB 26	134 000	1940
1941	61.3 AT 10:45 MST ON AUG 25	23.6 ON AUG 25	1.78 B ON MAR 20	136 000	1941
1942	32.8 AT 13:00 MST ON JUL 30	28.9 ON JUL 30	2.78 E ON APR 6	232 000	1942
1943	---	18.7 B ON MAR 26	2.78 B ON FEB 9	203 000	1943
1944	12.8 AT 19:00 MST ON JUL 31	12.8 ON JUL 31	1.95 B ON FEB 10	147 000	1944
1945	22.7 AT 04:00 MST ON MAY 26	18.5 ON MAY 26	1.44 B ON FEB 25	204 000	1945
1946	17.5 AT 22:00 MST ON MAY 28	15.7 ON JUN 7	3.06 A ON MAR 10	195 000	1946
1947	---	39.4 A ON JUN 9	1.84 B ON FEB 16	265 000	1947
1948	92.6 AT 14:00 MST ON MAY 23	66.0 ON MAY 23	2.35 B ON MAR 26	328 000	1948
1949	10.3 AT 09:00 MST ON JUN 2	7.87 ON JUN 2	1.44 B ON JAN 21	116 000	1949
1950	46.2 AT 11:00 MST ON JUN 15	25.9 ON JUN 15	0.850B ON JAN 19	141 000	1950
1951	64.3 AT 23:00 MST ON AUG 30	52.4 ON AUG 31	1.78 B ON JAN 18	319 000	1951
1952	140 AT 11:00 MST ON JUN 23	118 ON JUN 23	3.03 B ON MAR 9	324 000	1952
1953	98.0 AT 09:00 MST ON JUN 13	62.9 ON JUN 13	1.27 B ON FEB 17	275 000	1953
1954	---	122 E ON AUG 25	0.821B ON FEB 25	293 000	1954
1955	30.0 AT 23:00 MST ON MAY 25	21.5 ON MAY 26	2.44 B ON MAR 23	192 000	1955
1956	16.6 AT 23:00 MST ON JUN 17	12.7 ON JUN 17	2.04 B ON MAR 10	152 000	1956
1957	25.9 AT 01:00 MST ON APR 30	16.6 ON APR 30	1.98 B ON MAR 13	153 000	1957
1958	60.8 AT 13:00 MST ON JUL 6	34.3 ON JUL 6	2.12 B ON MAR 22	210 000	1958
1959	52.4 AT 19:00 MST ON JUN 27	42.5 ON JUN 27	1.19 B ON FEB 16	188 000	1959
1960	13.1 AT 06:00 MST ON AUG 7	11.8 ON AUG 7	2.66 B ON DEC 19	149 000	1960
1961	23.9 AT 23:30 MST ON MAY 23	18.2 ON JUL 29	0.765B ON MAR 14	153 000	1961
1962	16.8 AT 03:00 MST ON MAY 21	12.9 ON MAY 21	2.01 B ON MAR 5	152 000	1962
1963	32.3 AT 09:00 MST ON JUN 30	26.2 ON JUN 30	2.24 B ON FEB 26	159 000	1963
1964	37.9 AT 21:15 MST ON JUL 3	22.9 ON JUN 8	0.699B ON DEC 18 *	166 000	1964
1965	76.5 AT 01:00 MST ON JUN 18	48.4 ON JUN 18	0.903B ON JAN 18	270 000	1965
1966	31.7 AT 14:00 MST ON JUL 3	26.5 ON JUL 3	2.58 B ON MAR 3	193 000	1966
1967	190 AT 02:00 MST ON MAY 31	112 ON MAY 30	2.72 B ON DEC 31	222 000	1967
1968	13.1 AT 03:00 MST ON JUN 10	11.3 ON JUN 8	1.93 B ON JAN 31	151 000	1968
1969	---	55.2 ON JUN 29	1.99 B ON MAR 12	244 000	1969
1970	92.0 AT 07:11 MST ON JUN 16	62.9 ON JUN 16	1.30 B ON FEB 25	154 000	1970
1971	43.3 AT 07:30 MST ON JUN 6	35.1 ON JUN 6	1.81 B ON MAR 23	126 000	1971
1972	51.0 AT 09:30 MST ON JUN 26	37.4 ON JUN 24	1.81 B ON MAR 4	186 000	1972
1973	55.5 AT 09:00 MST ON MAY 26	43.6 ON MAY 26	2.46 B ON FEB 28	192 000	1973
1974	28.1 AT 23:00 MST ON JUN 16	22.8 ON JUN 16	2.12 B ON MAR 23	194 000	1974
1975	13.1 AT 12:30 MST ON JUL 30	10.0 ON JUL 30	2.03 B ON FEB 3	124 000	1975
1976	22.0 AT 13:00 MST ON AUG 5	18.8 ON AUG 5	1.93 B ON MAR 3	139 000	1976
1977	9.97 AT 12:00 MST ON MAY 24	8.86 ON MAY 24	2.04 ON MAR 24	126 000	1977
1978	36.2 AT 21:00 MST ON APR 28	20.8 ON APR 28	1.85 B ON MAR 1	178 000	1978
1979	11.7 AT 01:00 MST ON MAY 27	9.25 ON MAY 24	1.70 B ON JAN 15	120 000	1979
1980	19.7 AT 03:00 MST ON JUN 10	16.3 ON JUN 4	1.70 B ON JAN 10	145 000	1980
1981	55.3 AT 15:00 MST ON JUL 30	42.0 ON MAY 24	1.89 B ON JAN 27	235 000	1981
1982	12.2 AT 09:39 MST ON JUN 23	10.4 ON JUN 28	1.64 B ON MAR 7	139 000	1982
				199 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	0	0.197	0.430	0	0	0	0	0	0	---	1949
1950	0	0	0	0	0	2.93	0	0	0	0	0	0	0.241	1950
1951	0	0	0	0.028	0.820	8.19	7.72	0.749	1.95	0	0	0	1.62	1951
1952	0	0	0	0	0.067	6.68	0.242	0.018	0	0	0	0	0.575	1952
1953	0	0	0	0	1.37	16.6	6.93	0.013	0.006	0	0	0	2.07	1953
1954	0	0	0	0	0.365	8.37	5.10	3.61	1.68	0.014	0	0	1.60	1954
1955	0	0	0	0.204	0.055	6.01	1.10	0	0	0	0	0	0.609	1955
1956	0	0	0	0	1.59	2.89	0.159	0	0	0	0	0	0.385	1956
1957	0	0	0	0.002	0.041	0.044	0	0	0	0	0	0	0.007	1957
1958	0	0	0	0	0.510	0.129	0.488	0	0.008	0	0.003	0	0.096	1958
1959	0	0	0	0	0.026	0.895	0.041	0	0	0.011	0	0	0.080	1959
1960	0	0	0	0	0.015	0.279	0.101	0.084	0	0	0	0	0.040	1960
1961	0	0	0	0	4.73	3.52	0.082	0	0	0	0	0	0.694	1961
1962	0	0	0	0	1.18	0.028	0.228	0	0	0	0	0	0.122	1962
1963	0	0	0	0	0.042	3.67	1.20	0.044	0.018	0	0	0	0.413	1963
1964	0	0	0	0	0.345	12.3	1.04	0	0	0	0	0	1.13	1964
1965	0	0	0	0	0.076	11.5	8.22	1.28	0	0	0	0	1.76	1965
1966	0	0	0	0	1.74	4.19	0.962	0.012	0	0	0	0	0.575	1966
1967	0	0	0	0	2.25	12.8	1.38	0	0	0	0	0	1.36	1967
1968	0	0	0	0	0.091	0.599	0	0	0	0	0	0	0.057	1968
MEAN	0	0	0	0.012	0.776	5.10	1.75	0.291	0.183	0.001	0	0	0.707	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	6.82 ON JUN 2	0 ON APR 1 *	---	1949
1950	---	25.5 E ON JUN 15	0 ON JAN 1	7 590	1950
1951	---	27.5 ON JUN 14	0 ON JAN 1	51 200	1951
1952	---	24.4 ON JUN 23	0 ON JAN 1	18 200	1952
1953	---	57.2 ON JUN 13 *	0 ON JAN 1	65 300	1953
1954	---	20.2 ON JUN 28	0 ON JAN 1	50 400	1954
1955	---	16.5 ON JUN 12	0 ON JAN 1	19 200	1955
1956	---	19.6 ON JUN 5	0 ON JAN 1	12 200	1956
1957	---	0.396E ON JUN 8	0 ON JAN 1	230	1957
1958	---	2.04 ON MAY 21	0 ON JAN 1	3 040	1958
1959	---	4.08 E ON JUN 13	0 ON JAN 1	2 530	1959
1960	---	1.73 ON JUN 3	0 ON JAN 1	1 260	1960
1961	---	20.4 ON MAY 27	0 ON JAN 1	21 900	1961
1962	---	7.84 ON MAY 28	0 ON JAN 1	3 860	1962
1963	---	15.1 ON JUN 12	0 ON JAN 1	13 000	1963
1964	---	36.0 ON JUN 8	0 ON JAN 1	35 600	1964
1965	---	45.9 ON JUN 17	0 ON JAN 1	55 500	1965
1966	---	14.1 ON JUL 3	0 ON JAN 1	18 200	1966
1967	---	34.3 ON MAY 31	0 ON JAN 1	42 900	1967
1968	---	3.94 ON JUN 2	0 ON JAN 1	1 790	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 300	MEAN

E - ESTIMATED

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.895	1.25	0.447	0.100	0.005	0	0.010	0.009	---	---	1967
1968	---	---	0.167	0.067	0.033	---	---	0.113	0.067	0.029	---	---	---	1968
1969	---	---	0	3.89	0.581	0.118	0.159	0.077	0.147	0.207	---	---	---	1969
MEAN	---	---	0.056	1.62	0.621	0.283	0.130	0.065	0.071	0.082	0.009	---	---	MEAN

LOCATION - LAT 51 53 40 N DRAINAGE AREA, 518 km^2
LONG 113 14 20 W NATURAL FLOW

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	2.77 B ON APR 21	0B ON MAR 1 *	---	1967
1968	---	0.895 ON AUG 5	0A ON JUL 18	---	1968
1969	31.4B AT 18:20 MST ON APR 6 *	16.3 B ON APR 6 *	0B ON FEB 27	---	1969
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.619	0.310	0.100	0.175	0.323	0.978	1.14	2.29	0.779	0.330	0.409	0.395	0.656	1976
1977	0.327	0.301	0.304	0.353	0.487	1.15	2.19	2.19	0.719	0.389	0.310	0.273	0.754	1977
1978	0.228	0.236	0.230	0.292	0.368	0.589	0.627	1.37	0.564	0.441	0.386	0.278	0.469	1978
1979	0.295	0.307	0.345	0.357	0.377	0.430	0.813	1.58	2.51	0.725	0.354	0.387	0.701	1979
1980	0.381	0.422	0.400	0.505	0.621	1.10	0.795	0.504	0.504	0.423	0.355	0.339	0.529	1980
1981	0.411	0.391	0.420	0.454	0.671	0.744	0.841	0.778	0.523	0.571	0.357	0.390	0.547	1981
1982	0.437	0.415	0.464	0.462	0.523	0.938	1.38	2.08	0.782	0.640	0.529	0.455	0.762	1982
MEAN	0.385	0.340	0.323	0.371	0.481	0.847	1.11	1.53	0.912	0.503	0.386	0.360	0.631	MEAN

LOCATION - LAT 51 03 30 N DRAINAGE AREA, 40.9 km²
LONG 115 25 50 W REGULATED SINCE 1951

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	3.26 ON AUG 22	0.031 ON FEB 17 *	20 800	1976
1977	4.11 AT 21:00 MST ON AUG 6 *	3.96 ON AUG 7 *	0.198B ON DEC 31	23 800	1977
1978	---	1.50 ON AUG 20	0.142B ON FEB 13	14 800	1978
1979	---	3.34 ON SEP 9	0.170B ON JAN 3	22 100	1979
1980	---	1.59 ON JUN 19	0.227B ON DEC 4	16 700	1980
1981	---	1.98 ON OCT 29	0.320 ON NOV 10	17 300	1981
1982	---	3.82 ON AUG 22	0.283B ON FEB 3	24 000	1982
				19 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.519	---	---	---	1975
1976	---	---	---	---	1.21	0.759	0.583	2.08	0.707	0.559	---	---	0.985	1976
1977	---	---	---	---	0.453	0.353	0.294	0.298	0.358	0.369	---	---	0.354	1977
1978	---	---	---	0.424	1.64	1.58	1.05	0.668	0.538	0.446	---	---	0.985	1978
1979	---	---	---	---	1.50	0.996	0.569	0.435	0.402	0.361	---	---	0.711	1979
1980	---	---	---	---	0.741	0.798	0.493	0.399	0.378	0.370	---	---	0.529	1980
1981	---	---	---	---	2.84	2.05	0.996	0.687	0.521	0.465	---	---	1.26	1981
1982	---	---	---	0.380	1.08	1.06	0.626	0.426	0.400	0.418	---	---	0.668	1982
MEAN	---	---	---	0.402	1.35	1.09	0.659	0.713	0.471	0.438	---	---	0.785	MEAN

LOCATION - LAT 49 36 08 N DRAINAGE AREA, 62.9 km²
LONG 114 24 00 W NATURAL FLOW

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	12.4 AT 18:40 MST ON AUG 5 *	7.16 ON AUG 5 *	0.501 ON JUL 26	15 700	1976
1977	0.521 AT 19:00 MST ON MAY 10	0.496 ON MAY 11	0.252 ON AUG 1 *	5 630	1977
1978	3.20 AT 03:00 MST ON JUN 6	3.03 ON MAY 22	0.419 ON OCT 30	15 700	1978
1979	3.15 AT 01:30 MST ON MAY 25	2.99 ON MAY 25	0.344E ON OCT 31	11 300	1979
1980	---	1.25 ON MAY 1	0.333 ON SEP 10	8 420	1980
1981	7.27 AT 19:10 MST ON MAY 22	6.58 ON MAY 23	0.442A ON OCT 27	20 000	1981
1982	1.76 AT 02:26 MST ON MAY 26	1.73 ON MAY 26	0.385 ON SEP 7	10 600	1982
				12 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRABURN CREEK NEAR THE MOUTH - STATION NO. 11AB111

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	1967
MEAN	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 38 40 N DRAINAGE AREA, 42.0 km²
LONG 110 01 40 W NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	0.241	0.054	---	---	---	1969
1970	---	---	0	3.21	0.731	0.022	0	0	0	0	---	---	0.365	1970
1971	---	---	0	0.499	0.117	2.46	1.01	0.001	0	0	---	---	0.505	1971
1972	---	---	0.002	---	---	0.023	0.009	0	0.017	0.128	---	---	---	1972
1973	---	---	0.004	3.81	1.01	0.199	0.002	0	0	0.008	---	---	0.620	1973
1974	---	---	0	5.36	3.07	0.089	0.161	0	0	0.001	---	---	1.08	1974
1975	---	---	0	0.857	0.885	0.051	0.031	0	0	0	---	---	0.227	1975
1976	---	---	0	2.23	0.287	1.01	0.238	1.43	0.085	0.036	---	---	0.658	1976
1977	---	---	0.003	3.05	2.50	0.661	0.165	0.002	0.001	0.063	---	---	0.801	1977
1978	---	---	0.061	1.04	0.791	0.115	0.001	0.001	0	0	---	---	0.249	1978
1979	---	---	0	1.24	2.12	0.356	0.414	0.002	0	0	---	---	0.516	1979
1980	---	---	0	0.119	0.038	0.044	0.002	0	0.001	0.001	---	---	0.025	1980
1981	---	---	0.007	1.49	0.534	0.063	0	0	0	0	---	---	0.258	1981
1982	---	---	0	0.625	1.03	0.091	0	0.248	0	0	---	---	0.249	1982
MEAN	---	---	0.006	1.88	1.09	0.399	0.156	0.130	0.025	0.021	---	---	0.463	MEAN

LOCATION - LAT 55 22 28 N DRAINAGE AREA, 152 km²
LONG 118 54 50 W NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON SEP 1 *	---	1969
1970	---	5.04 B ON APR 16	0B ON MAR 1	7 740	1970
1971	16.7 AT 24:00 MST ON JUN 26	12.6 ON JUN 16	0B ON MAR 1	10 700	1971
1972	---	---	0B ON MAR 1	---	1972
1973	11.0 A AT 21:00 MST ON APR 20	8.98 ON APR 23	0B ON MAR 6	13 100	1973
1974	25.3 AT 24:00 MST ON APR 25 *	24.0 ON APR 26 *	0B ON MAR 1	22 800	1974
1975	4.53 AT 23:00 MST ON APR 22	2.77 ON APR 23	0B ON MAR 1	4 810	1975
1976	18.6 AT 19:00 MST ON APR 12	12.3 ON APR 12	0B ON MAR 1	13 900	1976
1977	22.4 AT 19:30 MST ON APR 9	17.3 ON APR 9	0 ON SEP 22	17 000	1977
1978	5.32 AT 13:00 MST ON APR 29	4.67 ON APR 29	0B ON MAR 1	5 280	1978
1979	18.8 B AT 23:30 MST ON APR 27	12.7 ON APR 28	0B ON MAR 1	10 900	1979
1980	---	0.550A ON APR 15	0B ON MAR 1	534	1980
1981	8.80B AT 22:00 MST ON APR 19	5.48 B ON APR 20	0B ON MAR 1	5 470	1981
1982	9.06 AT 20:30 MST ON APR 29	5.38 ON APR 29	0B ON MAR 1	5 280	1982
MEAN				9 790	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.027	0.101	0	---	---	---	---	---	---	---	---	1922
1923	---	---	0.327	0.061	0	0.086	0	---	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	---	1924
1925	---	0.008	0.097	0.011	0	0	0	0	0	0	---	---	---	1925
MEAN	---	0.008	0.113	0.028	0	0.029	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 50 N DRAINAGE AREA, 76.7 km²
LONG 110 52 20 W NATURAL FLOW

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.878 ON APR 3	0 ON MAR 1 *	---	1922
1923	---	1.93 B ON MAR 20 *	0 ON APR 5	---	1923
1924	---	---	0B ON MAR 1	---	1924
1925	---	0.785 ON MAR 23	0B ON FEB 1	---	1925
MEAN				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AM009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	0.111	0.016	0	0	0	0.004	---	---	---	1912
1913	---	---	---	0.788	0.051	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.370	0.035	0.003	0	0	0.002	0.056	---	---	---	1914
MEAN	---	---	---	0.579	0.066	0.007	0	0	0.001	0.020	---	---	---	MEAN

LOCATION - LAT 49 45 20 N DRAINAGE AREA, 93.2 km²
LONG 110 27 50 W NATURAL FLOW

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 22 *	---	1912
1913	---	3.37 ON APR 5	0 ON JUN 2	---	1913
1914	---	4.11 ON MAR 30 *	0 ON MAY 28	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.344	1.14	0.145	0.008	0.003	0	0	0	---	---	0.203	1921
1922	---	---	0.198	2.92	0.354	0.010	0.010	0	0	0	---	---	0.429	1922
1944	---	---	0	0.006	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.359	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.843	0.073	0.005	0.003	---	---	---	---	---	---	---	1946
1947	---	---	2.21	0.728	0.062	0.051	---	---	---	---	---	---	---	1947
1948	---	---	0.934	2.41	0.237	0.001	---	---	---	---	---	---	---	1948
1949	---	---	0.238	0.049	0.001	0	---	---	---	---	---	---	---	1949
1950	---	---	0.358	0.399	0.011	0	---	---	---	---	---	---	---	1950
1951	---	---	1.50	2.13	0.246	0.139	---	---	---	---	---	---	---	1951
1952	---	---	2.24	2.81	0.115	0.002	---	---	---	---	---	---	---	1952
1953	---	---	1.25	1.60	0.628	1.70	---	---	---	---	---	---	---	1953
1954	---	---	0.002	1.02	0.105	0.138	---	---	---	---	---	---	---	1954
1955	---	---	1.04	4.36	1.17	0.083	---	---	---	---	---	---	---	1955
1956	---	---	1.29	0.389	0.159	0.008	---	---	---	---	---	---	---	1956
1957	---	0.169	1.53	1.50	0.195	0.005	---	---	---	---	---	---	---	1957
1958	---	---	0.531	0.211	0.012	0.006	---	---	---	---	---	---	---	1958
1959	---	---	0.760	0.189	0.027	0.003	---	---	---	---	---	---	---	1959
1960	---	---	1.21	0.116	0.132	0.006	0.002	0	0	0	---	---	0.185	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.445	0.007	0	0	0	0	0	0	---	---	0.057	1962
1963	---	---	0.271	0.004	0	0	0.267	0	0	0	---	---	0.069	1963
1964	---	---	0.197	0.231	0.810	0	0	0	0	0	---	---	0.156	1964
1965	---	0.229	0.106	2.43	0.091	0.576	0.752	0	0.019	0	---	---	0.490	1965
1966	---	---	1.44	0.270	0.067	0.427	0.014	0	0	0	---	---	0.278	1966
1967	---	---	1.89	1.05	2.29	0.069	0.005	0	0	0	---	---	0.666	1967
1968	---	---	0.266	0.126	0.114	0.016	0.002	0	0	0	---	---	0.066	1968
1969	---	---	0.976	0.635	0.025	0.002	0	0	0	0	---	---	0.205	1969
1970	---	---	0.229	1.02	0.060	0.054	0.028	0	0	0	---	---	0.171	1970
1971	---	0.638	0.671	1.19	0.044	0.043	0	0	0	0	---	---	0.241	1971
1972	---	---	1.02	0.024	0.026	0.001	0	0	0	0	---	---	0.136	1972
1973	---	0.048	0.158	0.106	0.039	0.266	0	0	0	0	---	---	0.070	1973
1974	---	---	0.886	0.381	0.150	0.023	0.001	0	0	0	---	---	0.181	1974
1975	---	---	0	1.29	1.36	---	---	0	0	0	---	---	---	1975
1976	---	---	0.575	0.329	0.014	0.002	0	0	0	0	---	---	0.115	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1977
1978	---	---	0.552	0.425	0.110	0.016	0.056	0	0	0	---	---	0.145	1978
1979	---	---	1.68	0.682	0.220	0	0	0	0	0	---	---	0.324	1979
1980	---	---	0.064	0.021	0	0	0	0	0	0	---	---	0.011	1980
1981	---	0.089	0.003	0.015	0.009	0.054	0	0	0	0	---	---	0.010	1981
1982	---	0.223	0.675	1.25	0.138	0.932	0.005	0.002	0	0.002	---	---	0.371	1982
MEAN	---	0.233	0.706	0.818	0.224	0.116	0.048	0	0.001	0	---	---	0.191	MEAN

LOCATION - LAT 49 53 20 N DRAINAGE AREA, 215 km^2
LONG 110 30 20 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1971

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	7.50 ON APR 14	0 ON MAR 1 *	4 300	1921
1922	---	10.4 ON APR 21	0 B ON MAR 1	9 090	1922
1944	0.071 AT 09:00 MST ON APR 2	0.059 ON APR 2	0 B ON MAR 1	---	1944
1945	1.70 B AT 09:00 MST ON MAR 12	1.47 B ON MAR 12	0 B ON MAR 1	---	1945
1946	2.35 ON MAR 2	2.07 ON MAR 2	0.003 ON MAY 7	---	1946
1947	---	9.77 ON MAR 22	0 B ON MAR 1	---	1947
1948	---	22.0 ON APR 17	0 B ON MAR 1	---	1948
1949	---	0.878B ON MAR 6	0 B ON MAR 13	---	1949
1950	2.58 AT 08:20 MST ON APR 2	2.46 ON APR 2	0 B ON MAR 1	---	1950
1951	11.8 AT 19:00 MST ON MAR 29	10.9 ON MAR 29	0 B ON MAR 1	---	1951
1952	24.5 ON APR 7	17.6 ON APR 6	0 B ON MAR 1	---	1952
1953	20.6 AT 19:30 MST ON JUN 3	17.8 ON JUN 3	0 B ON MAR 1	---	1953
1954	13.1 AT 17:00 MST ON APR 9	8.78 ON APR 9	0 B ON MAR 1	---	1954
1955	36.5 ON APR 9 *	25.3 ON APR 9 *	0 B ON MAR 1	---	1955
1956	---	6.29 B ON MAR 25	0 B ON MAR 1	---	1956
1957	---	7.59 B ON MAR 11	0.003 ON MAY 31	---	1957
1958	---	4.30 ON MAR 30	0 B ON MAR 1	---	1958
1959	3.31 AT 09:00 MST ON MAR 27	2.80 B ON MAR 18	---	---	1959
1960	---	6.85 B ON MAR 20	0 B ON MAR 1	3 900	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	2.62 B ON MAR 20	0 B ON MAR 1	1 210	1962
1963	---	6.57 ON JUL 4	0 ON MAR 18	1 450	1963
1964	---	6.65 ON MAY 8	0 B ON MAR 1	3 300	1964
1965	---	11.6 ON APR 10	0 B ON MAR 16	10 400	1965
1966	---	5.86 B ON MAR 11	0 B ON MAR 1	5 880	1966
1967	---	20.9 ON MAY 7	0 B ON MAR 7	14 100	1967
1968	---	1.59 ON MAR 2	0 E ON JUL 12	1 390	1968
1969	---	5.49 ON MAR 17	0 B ON MAR 1	4 330	1969
1970	19.1 AT 06:30 MST ON APR 7	12.3 ON APR 7	0 B ON MAR 1	3 630	1970
1971	---	4.47 ON APR 7	0 ON MAY 30	5 110	1971
1972	---	6.65 ON MAR 14	0 B ON MAR 1	2 880	1972
1973	---	2.28 ON JUN 16	0 ON JUN 4	1 490	1973
1974	10.2 B AT 01:00 MST ON MAR 28	5.72 B ON MAR 29	0 B ON MAR 1	3 820	1974
1975	---	6.06 ON MAY 7	0 B ON MAR 1	---	1975
1976	---	5.47 B ON MAR 18	0 B ON MAR 1	2 440	1976
1977	---	0.004E ON MAY 16	0 B ON MAR 1	1.55	1977
1978	---	2.72 ON MAR 27	0 B ON MAR 1	3 060	1978
1979	---	7.18 B ON MAR 7	0 B ON MAR 1	6 860	1979
1980	---	0.244B ON MAR 16	0 B ON MAR 1	225	1980
1981	---	0.672 ON JUN 16	0 ON MAR 1	213	1981
1982	---	9.48 B ON APR 13	0 ON SEP 3	7 860	1982
MEAN				4 040	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	0	---	---	---	---	---	1922
1957	---	---	---	---	0.234	0.172	0.081	0.072	0.096	0.090	---	---	0.124	1957
1958	---	---	---	---	0.718	0.441	0.207	0.168	0.112	0.070	---	---	0.286	1958
1959	---	---	---	---	0.036	0.201	0.196	0.197	0.464	0.241	---	---	0.221	1959
1960	---	---	---	---	0.532	0.280	0.140	0.020	0.140	0.175	---	---	0.214	1960
1961	---	---	---	---	0.375	0.284	0.054	0.044	0.211	0.226	---	---	0.198	1961
1962	---	---	---	---	0.199	0.160	0.094	0.047	0.198	0.166	---	---	0.144	1962
1963	---	---	---	---	0.062	0.189	0.311	0.247	0.409	0.349	---	---	0.261	1963
1964	---	---	---	---	0.419	0.304	0.513	0.098	0.439	0.369	---	---	0.357	1964
1965	---	---	---	---	0.499	1.73	1.52	1.27	0.952	0.543	---	---	1.08	1965
1966	---	---	---	---	0.399	0.031	0.585	0.229	0.205	0.785	---	---	0.375	1966
1967	---	---	---	---	1.30	1.12	0.458	0.192	0.090	0.034	---	---	0.532	1967
1968	---	---	---	---	0.076	0.289	0.379	0.442	0.368	0.314	---	---	0.311	1968
1969	---	---	---	---	0.686	0.450	0.466	0.273	0.161	0.328	---	---	0.395	1969
1970	---	---	---	---	0.337	0.809	0.433	0.103	0.044	0.050	---	---	0.295	1970
1971	---	---	---	---	1.37	1.18	0.139	0.037	0.053	0.219	---	---	0.499	1971
1972	---	---	---	---	0.270	0.401	0.737	0.350	0.409	0.170	0.185	---	0.389	1972
1973	---	---	---	---	1.07	0.428	0.399	0.279	0.535	0.543	0.418	0.113	0.542	1973
1974	---	---	---	---	1.41	1.37	0.389	0.664	0.583	0.481	0.053	---	0.814	1974
1975	---	---	---	---	1.11	1.04	0.371	0.110	0.112	0.219	0.110	---	0.492	1975
1976	---	---	---	---	0.314	0.321	0.365	0.251	0.396	0.255	0.368	---	0.316	1976
1977	---	---	---	---	0.021	0.038	0.051	0.336	0.227	0.305	0.098	---	0.163	1977
1978	---	---	---	---	0.453	0.488	0.234	0.310	0.821	0.341	---	---	0.439	1978
1979	---	---	---	---	0.087	0.064	0.413	0.298	0.158	0.014	---	---	0.173	1979
1980	---	---	---	---	---	0.524	0.354	0.507	0.342	0.230	0.042	---	---	1980
1981	---	---	---	---	0.246	0.060	0.518	0.059	0.183	0.271	---	---	0.224	1981
1982	---	---	---	---	0.123	0.234	0.429	0.228	0.215	0.293	0.087	---	0.254	1982
MEAN	---	---	---	---	0.494	0.485	0.378	0.253	0.305	0.272	0.170	0.113	0.364	MEAN

LOCATION - LAT 50 51 20 N
LONG 113 08 00 W   REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1960, 1962 AND 1971

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON AUG 1 *	---	1922
1957	---	0.286 ON MAY 17	0.065 ON AUG 5	1 970	1957
1958	---	1.42 ON MAY 7	0.003 ON JUL 20	4 540	1958
1959	---	1.04 ON JUN 27	0 ON MAY 1	3 510	1959
1960	---	0.671 ON MAY 18	0 ON AUG 7	3 400	1960
1961	---	0.691 ON MAY 13	0 ON AUG 8	3 150	1961
1962	---	0.360 ON MAY 4	0.014 ON AUG 17	2 280	1962
1963	---	0.660 ON JUN 22	0.023 ON JUN 21	4 140	1963
1964	---	0.762 ON JUL 11	0 ON AUG 22	5 670	1964
1965	---	2.58 ON JUN 26	0.025 ON OCT 31	17 200	1965
1966	---	1.51 ON JUL 12	0 ON MAY 14	5 960	1966
1967	---	1.47 ON MAY 25	0 ON OCT 7	8 460	1967
1968	---	0.677 ON SEP 22	0.045 ON MAY 24	4 950	1968
1969	---	1.20 ON JUN 29	0.096 ON SEP 2	6 280	1969
1970	---	4.45 ON JUN 17 *	0.021A ON AUG 10	4 690	1970
1971	---	1.92 ON MAY 28	0.007 ON SEP 18	7 930	1971
1972	---	1.17 ON JUL 13	0.027 ON OCT 25	6 190	1972
1973	---	1.28 ON MAY 7	0.012 ON MAY 31	8 620	1973
1974	---	2.06 ON MAY 30	0.051 ON SEP 2	12 900	1974
1975	---	1.51 ON MAY 14	0.028 ON JUL 27	7 820	1975
1976	---	0.589 ON JUN 27	0.144 ON AUG 2	5 030	1976
1977	---	3.88 ON AUG 18	0 ON MAY 1	2 590	1977
1978	---	1.30 ON SEP 16	0.110 ON JUL 28	6 970	1978
1979	---	0.506 ON JUL 14	0.001 ON OCT 14	2 760	1979
1980	---	0.821 ON JUN 27	---	---	1980
1981	---	0.815 ON JUL 8	0 ON JUN 9	3 560	1981
1982	---	0.789A ON JUL 7	0.038 ON MAY 25	4 040	1982
MEAN				5 780	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR STOBART - STATION NO. 05BM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	---	---	0.183	0.183	---	---	---	1951
1952	---	---	---	---	1.51	0.741	0.003	0.003	0.027	0.003	---	---	---	1952
1953	---	---	---	---	0.006	0.027	0.102	0.401	0.726	0.827	---	---	---	1953
MEAN	---	---	---	---	0.758	0.384	0.053	0.202	0.312	0.338	---	---	---	MEAN

LOCATION - LAT 50 54 00 N
LONG 113 09 00 W   REGULATED

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	6.64	3.55	4.30	2.50	5.71	3.98	---	---	---	1965
1966	---	---	---	2.84	19.8	17.3	5.89	2.23	2.08	3.68	---	---	---	1966
1967	---	---	---	---	17.0	3.57	7.76	12.8	2.53	2.15	---	---	---	1967
1968	---	---	---	---	5.48	4.76	6.67	2.91	4.01	5.99	---	---	---	1968
1969	---	---	---	20.0	9.04	7.39	1.76	2.08	11.1	6.85	---	---	---	1969
1970	0.269	0.229	0.143	6.61	13.1	11.6	26.2	7.06	20.5	7.88	3.12	0.606	8.16	1970
1971	0.488	0.365	0.362	12.0	4.63	3.39	9.68	1.88	1.12	1.26	0.789	0.564	3.05	1971
1972	0.542	0.400	0.417	3.06	18.1	4.64	2.52	1.07	0.753	2.12	1.60	0.600	3.01	1972
1973	0.465	0.414	0.340	3.21	4.16	29.5	9.57	13.9	4.01	7.94	2.79	1.25	6.48	1973
1974	0.590	0.385	0.448	17.9	16.0	5.66	10.8	2.87	2.70	2.42	1.22	0.706	5.17	1974
1975	0.275	0.088	0.216	2.04	13.7	10.0	8.93	6.38	12.0	7.19	2.03	0.572	5.31	1975
1976	0.404	0.205	0.413	4.83	1.84	2.76	6.17	16.4	19.2	6.35	1.67	0.448	5.06	1976
1977	0.318	0.214	0.428	7.14	12.3	8.98	8.61	5.25	2.63	3.59	1.47	0.364	4.30	1977
1978	0.355	0.227	0.284	4.89	8.22	5.21	1.44	2.09	13.9	---	---	0.878	---	1978
1979	0.367	0.262	0.240	1.86	15.1	9.97	3.59	3.30	7.83	3.33	1.98	0.674	4.06	1979
1980	0.264	0.068	0.048	3.52	1.06	2.17	1.00	17.1	15.1	4.69	1.16	0.172	3.86	1980
1981	0.095	0.137	0.290	1.87	4.26	2.49	6.37	1.12	0.363	1.19	0.770	0.475	1.63	1981
1982	0.218	0.177	0.245	3.16	11.8	3.08	3.35	3.82	1.63	1.16	0.614	0.339	2.49	1982
MEAN	0.358	0.244	0.298	6.33	10.1	7.56	6.92	5.82	7.06	4.22	1.60	0.588	4.38	MEAN

LOCATION - LAT 56 42 18 N   DRAINAGE AREA, 947 km^2
LONG 111 21 20 W   NATURAL FLOW

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	19.4 ON JUL 2	0 B ON MAR 12 *	---	1965
1966	---	78.2 ON MAY 23	---	---	1966
1967	---	52.1 ON AUG 3	---	---	1967
1968	---	18.1 ON JUN 30	---	---	1968
1969	---	56.4 ON APR 20	---	---	1969
1970	---	135 ON JUL 2 *	0.057B ON APR 4	257 000	1970
1971	---	48.4B ON APR 22	0.328B ON MAR 5	96 200	1971
1972	---	39.4 ON MAY 2	0.328B ON MAR 9	95 100	1972
1973	---	59.2 ON JUN 17	0.283B ON APR 6	204 000	1973
1974	---	55.8 ON APR 25	0.343B ON FEB 8	163 000	1974
1975	---	28.9 ON MAY 27	0.085B ON FEB 4	167 000	1975
1976	---	127 ON AUG 28	0.184B ON FEB 12	160 000	1976
1977	---	26.8 ON MAY 30	0.198B ON FEB 8	136 000	1977
1978	---	25.3 ON SEP 10	0.170B ON MAR 1	---	1978
1979	---	26.0 ON MAY 14	0.200B ON MAR 1	128 000	1979
1980	---	43.4 ON AUG 5	0.012B ON MAR 3	122 000	1980
1981	---	16.1 ON JUL 23	0.085B ON JAN 28	51 600	1981
1982	---	23.0B ON APR 30	0.170B ON JAN 29	78 500	1982
				138 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	6.57	2.98	7.83	4.19	1.09	0.110	---	1975
1976	0.030	0.024	0.032	2.47	0.809	0.136	0.233	0.663	2.22	2.15	0.406	0.018	0.765	1976
1977	0.007	0.008	0.009	1.57	1.11	1.09	1.59	0.423	0.504	0.965	0.301	0.021	0.636	1977
1978	0.007	0.006	0.010	0.926	2.67	1.49	0.354	1.98	9.22	5.69	1.11	0.154	1.97	1978
1979	0.012	0.009	0.028	1.02	6.73	2.29	0.677	1.56	2.59	1.59	0.693	0.043	1.45	1979
1980	0.012	0.004	0.005	0.749	0.202	0.020	0.029	0.888	3.45	2.18	0.601	0.032	0.679	1980
1981	0.024	0.010	0.012	0.182	0.891	0.644	1.31	0.103	0.051	0.121	0.044	0.017	0.287	1981
1982	0.005	0.004	0.005	0.216	2.56	1.01	0.489	0.498	0.285	0.123	0.001	0	0.437	1982
MEAN	0.014	0.009	0.014	1.02	2.14	0.954	1.41	1.14	3.27	2.13	0.531	0.049	0.889	MEAN

LOCATION - LAT 57 15 34 N DRAINAGE AREA, 358 km^2
LONG 111 27 53 W NATURAL FLOW

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	14.9 AT 20:00 MST ON JUL 20 *	14.8 ON JUL 20 *	---	---	1975
1976	---	5.04B ON APR 12	0.008B ON DEC 27	24 200	1976
1977	4.11B AT 19:00 MST ON APR 19	3.77B ON APR 19	0.006B ON JAN 16	20 000	1977
1978	14.9 AT 18:50 MST ON SEP 10	14.8 ON SEP 11	0.005B ON JAN 12	62 100	1978
1979	8.07 AT 19:00 MST ON MAY 20	7.88 ON MAY 20	0.006B ON JAN 22	45 600	1979
1980	---	4.20E ON SEP 23	0.004B ON FEB 5	21 500	1980
1981	2.30 AT 13:05 MST ON JUL 17	2.26 ON JUL 17	0.006B ON FEB 14	9 070	1981
1982	3.67 AT 15:59 MST ON MAY 20	3.64 ON MAY 21	0 B ON NOV 8 *	13 800	1982
				28 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0.567	0.608	0.366	0.221	0.222	0.210	---	---	---	1916
1920	---	---	---	0.011	0.005	0.017	0.011	0	---	---	---	---	---	1920
1921	---	---	0.004	0.109	0.030	0	0	0	0	0	---	---	---	1921
1922	---	---	0	0.005	0	0	0	0	0	0	---	---	---	1922
MEAN	---	---	0.002	0.042	0.151	0.156	0.094	0.055	0.074	0.070	---	---	---	MEAN

LOCATION - LAT 53 24 31 N DRAINAGE AREA, 295 km^2
LONG 112 49 38 W NATURAL FLOW

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1920	---	0.074 ON APR 23	0 ON APR 1 *	---	1920
1921	---	0.210 ON APR 14 *	0B ON MAR 1	---	1921
1922	---	0.042 ON APR 5	0 ON MAR 1	---	1922
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	49.9	---	---	---	1974
1975	---	---	1.08	23.4	161	126	103	45.7	38.0	22.7	---	---	65.1	1975
1976	---	---	1.97	97.2	166	215	235	260	219	161	---	---	169	1976
1977	---	---	5.00	101	248	613	431	253	171	121	---	---	242	1977
1978	---	---	2.09	12.7	256	195	97.6	64.1	127	80.4	---	---	104	1978
1979	---	---	0.828	0.771	352	431	278	151	119	92.8	---	---	178	1979
1980	---	---	1.18	29.4	28.6	21.6	21.0	23.4	17.8	29.2	---	---	21.5	1980
1981	---	---	0.422	13.8	284	86.4	33.1	8.52	4.36	3.37	---	---	54.5	1981
1982	---	---	0.140	0.976	273	123	42.6	19.4	16.1	11.6	---	---	61.0	1982
MEAN	---	---	1.59	34.9	221	226	155	103	89.0	63.6	---	---	112	MEAN

LOCATION - LAT 59 08 58 N DRAINAGE AREA, 36 900 km^2
LONG 117 38 03 W NATURAL FLOW

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	252 AT 01:00 MST ON JUN 1	249 ON JUN 1	0.861B ON MAR 30	1 380 000	1975
1976	524 AT 13:00 MST ON AUG 23	518 ON AUG 23	1.32 B ON MAR 1	3 580 000	1976
1977	878 AT 12:00 MST ON JUN 16 *	878 ON JUN 16 *	3.77 B ON APR 8	5 130 000	1977
1978	428 AT 00:30 MST ON MAY 5	422 ON MAY 5	1.23 B ON APR 11	2 210 000	1978
1979	700 AT 14:00 MST ON JUN 3	700 ON JUN 3	0.503B ON APR 17	3 770 000	1979
1980	116B AT 03:00 MST ON APR 23	102B ON APR 23	1.09 B ON MAR 1	455 000	1980
1981	587 AT 00:00 MST ON MAY 5	563 ON MAY 5	0.100B ON MAR 5	1 150 000	1981
1982	371 AT 11:00 MST ON MAY 8	370 ON MAY 8	0.050B ON MAR 1 *	1 290 000	1982
				2 370 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0.013	0.009	---	---	---	1978
1979	---	---	0.342	0.184	0.097	0.028	0.017	0	0	0	---	---	0.084	1979
1980	---	---	0	0.509	0	0	0	0	0	0	---	---	0.062	1980
1981	---	---	0.156	0.060	0.033	0	0	0.003	0	0	---	---	0.032	1981
1982	---	---	0	1.35	0.017	0.016	0.043	0.018	0.010	0	---	---	0.178	1982
MEAN	---	---	0.125	0.526	0.037	0.011	0.015	0.005	0.005	0.002	---	---	0.089	MEAN

LOCATION - LAT 52 19 55 N DRAINAGE AREA, 166 km^2
LONG 113 21 40 W NATURAL FLOW

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0E ON AUG 11 *	---	1978
1979	1.51 AT 07:00 MST ON MAR 19	1.19 A ON MAR 15	0B ON MAR 1	1 770	1979
1980	---	1.34 E ON APR 8	0 ON MAR 1	1 320	1980
1981	0.747 AT 08:20 MST ON MAR 17	0.650 ON MAR 17	0 ON MAY 16	671	1981
1982	6.56 AT 17:37 MST ON APR 18 *	6.37 ON APR 18 *	0B ON MAR 1	3 780	1982
				1 890	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	10.1	9.76	2.59	1.38	1.54	0.931	0.275	---	1915
1916	0.168	0.204	0.175	16.9	14.6	5.40	8.45	1.56	0.860	1.42	0.591	0.117	4.20	1916
1917	0.017	0	0.051	11.8	23.0	7.83	1.60	1.74	0.726	0.562	0.431	0.053	4.01	1917
1918	0	0	0	7.75	8.31	2.90	5.84	1.09	0.289	0.253	0.103	0	2.22	1918
1919	0	0	0.016	3.12	7.65	21.2	19.9	5.63	2.90	1.15	0.362	0.022	5.19	1919
1920	0.001	0.008	0.012	19.3	93.0	46.4	14.6	3.67	3.38	7.23	1.46	0.247	15.8	1920
1921	0.018	0.126	0.318	9.51	9.06	10.6	5.80	2.28	---	---	---	---	---	1921
MEAN	0.034	0.056	0.095	11.4	25.9	14.9	9.42	2.65	1.59	2.03	0.646	0.119	6.28	MEAN

LOCATION - LAT 56 13 50 N DRAINAGE AREA, 2 250 km²
LONG 117 17 10 W NATURAL FLOW

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	23.8 ON APR 24	0.020B ON DEC 29	133 000	1916
1917	---	49.6 ON MAY 17	0 B ON JAN 27 *	126 000	1917
1918	---	23.4 ON JUL 15	0 B ON JAN 1	70 200	1918
1919	---	50.1 ON JUL 10	0 B ON JAN 1	164 000	1919
1920	---	174 ON MAY 14 *	0 B ON JAN 1	501 000	1920
1921	---	19.8 ON JUN 11	0 ON JAN 17	---	1921
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		199 000	MEAN

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.153	41.4	26.6	1.42	0.261	0.150	0.055	0.121	---	---	---	1963
1964	---	---	0.074	4.17	19.2	3.67	23.1	46.8	2.89	3.56	---	---	---	1964
1965	---	---	0.258	42.8	28.8	3.86	0.201	0.110	0.126	0.314	---	---	---	1965
1966	---	---	0.487	3.30	0.855	0.251	0.266	0.081	0.038	0.080	---	---	---	1966
1967	---	---	0.184	0.643	34.3	2.15	0.052	0.007	0.003	0.032	---	---	---	1967
1968	---	---	2.36	2.99	1.02	4.98	0.508	0.042	0.067	0.468	---	---	---	1968
1969	---	---	0.183	13.6	6.45	0.370	0.263	0.058	2.96	5.75	---	---	---	1969
1970	---	---	0.204	19.6	4.35	1.57	4.85	0.231	0.230	0.535	0.455	0.336	---	1970
1971	0.239	0.208	0.194	12.9	3.74	9.12	11.9	0.734	0.044	0.193	0.234	0.225	3.32	1971
1972	0.117	0.164	0.443	10.8	10.7	0.964	1.24	0.673	0.290	1.25	0.865	0.335	2.33	1972
1973	0.353	0.349	0.321	19.8	13.1	13.3	8.79	9.87	10.1	4.11	2.44	0.599	6.93	1973
1974	0.358	0.268	0.240	42.6	22.3	3.01	2.74	0.876	2.46	1.85	1.29	0.595	6.53	1974
1975	0.343	0.243	0.233	6.34	4.76	4.80	8.23	1.29	7.65	2.54	1.63	0.538	3.22	1975
1976	0.277	0.266	0.223	19.5	6.11	13.1	9.20	15.2	4.77	2.07	1.22	0.510	6.02	1976
1977	0.297	0.296	0.394	8.04	8.55	20.4	3.70	0.920	0.385	1.25	0.654	0.394	3.76	1977
1978	0.322	0.216	0.259	6.42	11.3	2.22	0.212	0.027	1.51	2.13	0.854	0.481	2.17	1978
1979	0.277	0.378	0.273	10.0	26.3	18.2	28.0	1.83	0.241	0.570	0.329	0.287	7.29	1979
1980	0.220	0.163	0.218	2.13	0.275	0.264	0.048	0.060	0.247	0.558	0.356	0.133	0.386	1980
1981	0.149	0.134	0.575	6.38	3.44	0.471	0.127	0.005	0	0.009	0.093	0.079	0.954	1981
1982	0.076	0.123	0.142	2.57	2.98	0.054	0	0.016	0.001	0.048	0.075	0.064	0.514	1982
MEAN	0.252	0.234	0.371	13.8	11.8	5.21	5.18	3.95	1.70	1.37	0.807	0.352	3.62	MEAN

LOCATION - LAT 56 03 23 N DRAINAGE AREA, 1 960 km²
LONG 117 07 53 W NATURAL FLOW

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	101 ON APR 28	---	---	1963
1964	---	147 ON AUG 3 *	---	---	1964
1965	---	129 ON APR 29	0 ON JUL 22 *	---	1965
1966	---	7.70B ON APR 1	---	---	1966
1967	---	63.7 ON MAY 9	0 ON JUL 22	---	1967
1968	---	26.3 ON JUN 15	---	---	1968
1969	---	30.9 B ON APR 12	---	---	1969
1970	---	30.6 ON APR 23	---	---	1970
1971	60.0 AT 21:00 MST ON JUN 29	56.9 ON JUN 30	0.013 ON SEP 20	105 000	1971
1972	39.6 AT 18:15 MST ON APR 30	37.9 ON APR 30	0.014 ON SEP 13	73 500	1972
1973	64.3 AT 15:00 MST ON APR 23	63.1 ON APR 23	0.283B ON JAN 5	218 000	1973
1974	126 AT 05:00 MST ON APR 19 *	121 ON APR 19	0.170B ON MAR 20	206 000	1974
1975	37.4 AT 05:00 MST ON JUN 30	36.8 ON JUN 30	0.147 ON AUG 15	101 000	1975
1976	88.1 ON AUG 19	81.0 ON AUG 19	0.193B ON FEB 28	191 000	1976
1977	76.5 AT 15:30 MST ON JUN 4	72.8 ON JUN 4	0.184 ON SEP 16	119 000	1977
1978	43.9 AT 02:00 MST ON MAY 1	40.5 ON MAY 1	0.013A ON AUG 2	68 400	1978
1979	105 A AT 01:00 MST ON APR 30	100 E ON APR 30	0.150B ON JAN 16	230 000	1979
1980	7.28B AT 17:00 MST ON APR 19	3.69B ON APR 18	0.012E ON AUG 18	12 200	1980
1981	13.8 AT 18:00 MST ON APR 28	13.5 ON APR 28	0 ON AUG 19	30 000	1981
1982	24.2 B AT 16:30 MST ON APR 25	18.3 B ON APR 25	0 ON JUN 19	16 200	1982
				114 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	1974
MEAN	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 37 N DRAINAGE AREA, 24.9 km²
LONG 118 22 03 W NATURAL FLOW

DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	0.620 AT 23:30 MST ON MAY 23 *	0.589 ON MAY 25 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	0.158	0.294	0.213	0.058	0.023	---	---	1977
1978	---	---	---	0.017	0.131	0.073	0.103	0.173	0.217	0.046	---	---	0.109	1978
1979	---	---	---	0.021	0.105	0.249	0.171	0.236	0.008	0	---	---	0.113	1979
1980	---	---	---	0.001	0.043	0.294	0.095	0.283	0.017	0	---	---	0.105	1980
1981	---	---	---	0.004	0.117	0.288	0.483	0.452	0.121	0	---	---	0.210	1981
1982	---	---	---	0	0.333	0.507	0.395	0.611	0.430	0.165	---	---	0.349	1982
MEAN	---	---	---	0.009	0.146	0.282	0.234	0.342	0.168	0.045	0.023	---	0.177	MEAN

LOCATION - LAT 50 33 08 N
LONG 113 59 20 W REGULATED

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1977	---	---	---	---	1977
1978	---	0.331 ON SEP 13	0 ON APR 1 *	2 010	1978
1979	---	0.377 ON MAY 30	0B ON APR 1	2 090	1979
1980	---	0.446 ON AUG 13	0 ON APR 1	1 940	1980
1981	---	0.769 ON JUL 26	0 ON APR 1	3 890	1981
1982	---	0.848 ON SEP 26 *	0E ON APR 1	6 460	1982
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 280	MEAN

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	16.0	8.94	7.85	---	---	---	1912
1913	---	---	---	---	19.7	42.3	17.8	18.8	10.2	7.40	---	---	---	1913
1914	---	---	---	---	25.2	46.2	17.5	5.55	4.88	7.73	---	---	---	1914
1915	---	---	---	15.1	49.6	77.0	48.4	18.2	9.91	8.69	---	---	---	1915
1916	---	---	---	9.65	25.4	104	61.5	26.8	16.7	10.6	7.27	4.11	---	1916
1917	2.72	1.38	1.80	5.32	50.3	82.6	25.4	9.19	6.32	4.69	3.78	1.93	16.3	1917
1918	1.91	1.04	1.12	6.48	16.1	38.6	13.2	11.0	7.52	6.21	4.23	3.08	9.22	1918
1919	2.12	1.93	1.92	5.78	31.7	23.9	9.86	12.1	4.75	3.85	1.94	2.22	8.56	1919
1920	1.88	1.84	2.11	---	---	---	---	---	---	---	---	---	---	1920
MEAN	2.16	1.55	1.74	8.47	31.1	59.2	27.7	14.7	8.65	7.13	4.31	2.84	11.4	MEAN

LOCATION - LAT 50 31 44 N DRAINAGE AREA, 1 200 km²
LONG 114 14 14 W NATURAL FLOW

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	54.4 ON JUN 28	---	---	1913
1914	---	75.0 ON JUN 3	---	---	1914
1915	---	214 ON JUN 26	---	---	1915
1916	---	228 ON JUN 28 *	---	---	1916
1917	---	136 ON JUN 9	0.708B ON FEB 13	515 000	1917
1918	---	78.2 ON JUN 10	0.068B ON MAR 6 *	290 000	1918
1919	---	71.6 ON MAY 23	0.821B ON FEB 25	270 000	1919
1920	---	---	---	18 700	1920
MEAN				273 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	5.99	3.12	2.87	---	---	---	1950
1951	---	---	---	---	40.6	50.4	46.8	15.1	20.4	14.0	---	---	---	1951
1952	---	---	2.18	9.13	22.7	28.2	16.5	8.60	5.35	3.62	---	---	12.0	1952
1953	---	---	1.83	2.55	25.1	87.0	25.1	7.51	4.21	3.67	---	---	19.3	1953
1954	---	---	2.07	2.02	29.1	46.8	29.5	9.01	6.42	7.95	---	---	16.6	1954
1955	---	---	1.84	2.36	12.7	38.4	24.2	6.68	3.92	4.59	---	---	11.8	1955
1956	---	---	1.47	4.05	32.8	35.9	25.1	8.27	4.60	3.53	---	---	14.5	1956
1957	---	---	1.12	2.51	31.6	24.3	8.54	4.46	3.76	3.20	---	---	9.93	1957
1958	---	---	1.30	2.51	29.6	20.7	19.8	7.60	4.67	3.19	---	---	11.2	1958
1959	---	---	1.80	2.80	20.6	40.1	16.9	6.36	6.77	5.15	---	---	12.5	1959
1960	---	---	2.71	5.16	19.4	34.4	13.7	6.36	3.65	2.51	---	---	10.9	1960
1961	---	---	1.78	1.92	30.3	42.0	10.6	7.13	5.27	9.50	---	---	13.5	1961
1962	---	---	1.87	7.72	17.9	27.6	11.1	5.00	4.07	2.85	---	---	9.72	1962
1963	---	---	1.78	2.58	14.2	40.7	33.5	6.04	3.25	2.60	---	---	13.1	1963
1964	---	---	1.53	2.06	21.2	56.2	16.8	5.31	4.47	4.28	---	---	13.9	1964
1965	---	---	1.42	3.44	13.6	46.4	26.7	9.51	6.13	7.13	---	---	14.2	1965
1966	---	---	2.12	3.80	25.3	36.7	15.2	6.68	4.00	3.15	---	---	12.1	1966
1967	---	---	1.68	1.62	27.2	72.3	22.1	6.79	4.09	3.17	---	---	17.3	1967
1968	---	---	2.06	2.29	13.8	29.9	15.1	7.48	6.67	7.68	---	---	10.6	1968
1969	---	---	0.760	5.62	26.3	41.7	32.3	7.15	4.29	3.64	---	---	15.2	1969
1970	---	---	1.57	1.78	18.6	44.5	12.5	4.59	3.59	2.94	---	---	11.2	1970
1971	---	---	1.45	3.14	32.2	44.7	14.1	5.85	3.57	3.43	---	---	13.5	1971
1972	---	---	1.54	2.93	34.9	61.9	19.4	11.3	6.51	4.95	---	---	17.9	1972
1973	---	---	1.85	2.29	20.6	39.4	13.2	5.65	5.26	3.44	---	---	11.4	1973
1974	---	---	1.63	4.15	22.8	69.5	20.3	9.56	6.28	4.38	---	---	17.2	1974
1975	---	---	1.69	2.06	16.6	49.7	23.8	8.62	5.12	3.89	---	---	13.9	1975
1976	---	---	1.74	4.14	28.7	21.8	13.6	19.5	7.70	4.16	---	---	12.7	1976
1977	---	---	1.57	2.94	10.6	11.9	4.73	7.08	5.94	4.17	---	---	6.10	1977
1978	---	---	1.68	3.03	17.5	39.3	20.6	7.64	5.69	4.50	---	---	12.4	1978
1979	---	---	1.46	2.55	20.3	24.5	9.66	5.87	3.69	2.48	---	---	8.80	1979
1980	---	---	1.49	7.06	29.3	37.8	9.57	8.19	5.97	5.71	---	---	13.1	1980
1981	---	---	2.21	3.96	41.4	44.0	23.2	10.8	4.81	3.53	---	---	16.7	1981
1982	---	---	1.46	2.03	12.2	30.4	11.4	4.52	3.96	3.50	---	---	8.64	1982
MEAN	---	---	1.70	3.43	23.7	41.2	18.9	7.76	5.37	4.53	---	---	13.0	MEAN

LOCATION - LAT 50 24 20 N   DRAINAGE AREA, 776 km^2
LONG 114 29 50 W   NATURAL FLOW

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	115 AT 02:00 MST ON JUN 15	107 ON JUN 15	---	---	1951
1952	53.5 AT 10:30 MST ON JUN 12	43.0 ON JUN 12	2.01 A ON MAR 9	254 000	1952
1953	283 AT 01:00 MST ON JUN 9 *	217 ON JUN 9 *	1.73 E ON MAR 24	412 000	1953
1954	89.8 AT 22:00 MST ON MAY 19	72.2 ON MAY 20	1.61 B ON APR 6	351 000	1954
1955	71.9 AT 02:00 MST ON JUN 13	63.4 ON JUN 13	1.78 B ON MAR 1	250 000	1955
1956	90.6 AT 23:00 MST ON MAY 20	78.2 ON MAY 21	1.25 B ON MAR 1	306 000	1956
1957	47.0 AT 06:00 MST ON MAY 20	45.0 ON MAY 20	0.510B ON MAR 1	210 000	1957
1958	47.9 AT 01:00 MST ON MAY 23	44.2 ON MAY 21	0.963B ON MAR 1	237 000	1958
1959	60.9 AT 02:00 MST ON JUN 6	56.4 ON JUN 6	1.70 A ON MAR 18	265 000	1959
1960	61.2 AT 22:00 MST ON JUN 3	56.1 ON JUN 3	1.93 B ON MAR 12	232 000	1960
1961	119 AT 08:00 MST ON MAY 27	111 ON MAY 27	1.70 B ON MAR 10	287 000	1961
1962	38.2 AT 04:00 MST ON JUN 18	36.8 ON JUN 17	1.78 ON MAR 24	206 000	1962
1563	186 AT 20:00 MST ON JUN 29	133 ON JUN 30	1.42 B ON MAR 1	277 000	1963
1964	113 AT 18:00 MST ON JUN 8	105 ON JUN 8	1.32 B ON MAR 16	295 000	1964
1965	138 AT 05:00 MST ON JUN 18	123 ON JUN 18	1.20 B ON MAR 1	301 000	1965
1966	66.5 AT 23:00 MST ON JUN 4	63.1 ON JUN 5	1.72 B ON MAR 1	256 000	1966
1967	258 AT 18:00 MST ON MAY 30	169 ON MAY 31	1.36 ON APR 5	365 000	1967
1968	43.6 AT 24:00 MST ON JUN 10	42.2 ON JUN 10	1.85 B ON MAR 1	224 000	1968
1969	94.9 AT 16:48 MST ON JUN 29	90.0 ON JUN 29	0.578 ON MAR 20	322 000	1969
1970	101 AT 23:08 MST ON JUN 13	87.8 ON JUN 14	1.42 B ON MAR 1	237 000	1970
1971	93.2 AT 09:30 MST ON JUN 6	88.3 ON JUN 6	1.13 B ON MAR 1	286 000	1971
1972	134 AT 00:30 MST ON JUN 1	121 ON JUN 1	0.396B ON MAR 2 *	379 000	1972
1973	64.6 AT 08:00 MST ON JUN 7	60.9 ON JUN 7	1.48 ON MAR 5	241 000	1973
1974	143 AT 02:30 MST ON JUN 17	127 ON JUN 17	1.42 B ON MAR 8	364 000	1974
1975	174 AT 00:30 MST ON JUN 20	130 ON JUN 20	1.61 ON APR 10	294 000	1975
1976	101 AT 15:00 MST ON AUG 5	60.6 ON AUG 6	1.65 B ON MAR 19	269 000	1976
1977	19.7 AT 03:00 MST ON JUN 8	19.2 ON JUN 8	1.50 B ON MAR 11	129 000	1977
1978	77.3 AT 03:00 MST ON JUN 6	70.5 ON JUN 6	1.00 B ON MAR 1	264 000	1978
1979	68.7 AT 03:00 MST ON MAY 27	60.1 ON MAY 27	0.944B ON MAR 27	186 000	1979
1980	70.1 AT 07:30 MST ON MAY 26	65.9 ON MAY 26	1.41 B ON MAR 21	277 000	1980
1981	148 AT 01:30 MST ON MAY 26	124 ON MAY 26	2.09 ON MAR 23	354 000	1981
1982	46.3 AT 01:40 MST ON JUN 15	43.5 ON JUN 16	1.40 B ON MAR 1	183 000	1982
				275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	9.69	5.53	6.26	---	---	---	1908
1909	---	---	---	5.28	44.5	75.1	43.0	15.5	6.33	4.12	---	---	---	1909
1910	---	---	---	7.32	24.3	27.0	10.5	4.87	8.77	8.69	---	---	---	1910
1911	---	---	---	4.60	21.3	51.5	17.1	24.1	27.6	11.4	---	---	---	1911
1912	---	---	---	8.48	20.7	36.1	33.2	17.8	8.29	6.25	---	---	---	1912
1913	---	---	---	---	21.7	41.9	19.9	15.0	9.04	7.72	5.52	2.42	---	1913
1914	1.95	1.45	1.86	7.46	24.9	34.2	15.6	4.89	3.98	8.29	4.68	2.33	9.33	1914
1915	2.40	2.09	2.06	7.23	55.8	81.5	55.9	22.5	9.94	10.1	4.90	3.99	21.7	1915
1916	3.35	3.95	5.29	---	---	---	---	---	---	---	---	---	---	1916
1982	---	---	1.86	5.29	15 7	42.2	15.7	4.66	4.71	4.85	2.86	2.10	---	1982
MEAN	2.57	2.50	2.77	6.52	28.6	48.7	26.4	13.2	9.35	7.52	4.49	2.71	15.5	MEAN

LOCATION - LAT 50 35 00 N LONG 113 52 20 W DRAINAGE AREA, 1 980 km^2 REGULATED

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	125 ON JUN 3	---	---	1909
1910	---	48.7 ON MAY 26	---	---	1910
1911	---	92.0 ON JUN 3	---	---	1911
1912	---	190 ON JUN 16	---	---	1912
1913	---	62.9 ON MAY 31	---	---	1913
1914	---	54.4 ON JUN 4	1.22 B ON FEB 5	294 000	1914
1915	---	227 ON JUN 26 *	0.850 ON MAR 27 *	682 000	1915
1916	---	---	---	33 100	1916
1982	60.7 AT 09:44 MST ON JUN 16 *	56.2 ON JUN 16	---	---	1982
				336 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	1.84	2.52	---	---	---	1965
1966	---	---	---	1.15	9.10	10.0	4.44	2.04	1.10	0.934	---	---	4.59	1966
1967	---	---	---	---	6.96	22.2	8.64	2.38	1.21	0.774	---	---	6.97	1967
1968	---	---	0.418	0.503	5.70	10.9	5.14	2.24	1.65	1.39	---	---	4.48	1968
1969	---	---	---	---	9.35	12.4	7.96	1.52	1.00	0.832	---	---	5.50	1969
1970	---	---	---	---	4.25	12.0	3.00	1.14	0.794	0.630	---	---	3.61	1970
1971	---	---	---	0.533	9.79	15.0	5.09	1.81	1.06	0.874	---	---	5.58	1971
1972	---	---	---	---	8.54	20.2	6.39	3.03	1.45	1.16	---	---	6.75	1972
1973	---	---	---	0.414	5.87	13.7	4.70	1.66	1.40	0.836	---	---	4.66	1973
1974	---	---	---	---	4.61	22.3	7.90	3.41	1.85	1.30	---	---	6.85	1974
1975	---	---	---	---	3.37	14.7	8.12	2.23	1.19	0.923	---	---	5.06	1975
1976	---	---	---	---	10.4	8.34	5.29	4.18	2.39	0.974	---	---	5.26	1976
1977	---	---	---	---	3.50	4.74	1.64	2.68	1.83	1.28	---	---	2.60	1977
1978	---	---	---	---	5.16	14.5	5.85	2.15	1.77	1.54	---	---	5.14	1978
1979	---	---	---	---	6.13	9.79	3.40	1.83	1.04	0.693	---	---	3.79	1979
1980	---	---	---	---	11.5	11.7	2.75	2.25	1.48	1.40	---	---	5.16	1980
1981	---	---	---	---	9.53	11.0	6.89	2.83	1.16	0.798	---	---	5.36	1981
1982	---	---	---	---	4.10	12.2	3.76	1.41	1.26	1.17	---	---	3.96	1982
MEAN	---	---	0.418	0.650	6.93	13.3	5.35	2.28	1.42	1.11	---	---	5.02	MEAN

LOCATION - LAT 50 29 55 N DRAINAGE AREA, 132 km²
LONG 114 49 02 W NATURAL FLOW

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	26.2 AT 23:00 MST ON MAY 30	21.8 ON MAY 31	0.685 ON OCT 22	73 000	1966
1967	41.6 AT 17:00 MST ON MAY 30	34.3 ON MAY 30	0.651 ON OCT 24	111 800	1967
1968	18.6 AT 22:50 MST ON JUN 2	16.0 ON JUN 3	0.920 ON OCT 31	71 400	1968
1969	22.2 AT 20:40 MST ON JUN 4	19.3 ON JUL 1	0.671 ON OCT 25	87 400	1969
1970	27.5 AT 02:09 MST ON JUN 14	22.2 ON JUN 14	0.323 ON MAY 2 *	57 300	1970
1971	33.7 AT 04:30 MST ON JUN 6	30.9 ON JUN 6	0.736B ON OCT 31	88 700	1971
1972	44.5 AT 22:30 MST ON JUN 10	37.9 ON MAY 31	0.654 ON MAY 1	107 000	1972
1973	28.3 AT 03:30 MST ON JUN 7	25.6 ON JUN 7	0.552 ON MAY 1	74 100	1973
1974	52.7 AT 05:30 MST ON JUN 16 *	43.9 ON JUN 16 *	0.804A ON OCT 31	109 000	1974
1975	30.6A AT 00:00 MST ON JUN 20	27.4 A ON JUN 20	0.515 ON MAY 2	80 300	1975
1976	20.3 AT 20:00 MST ON MAY 10	17.4 ON MAY 10	0.583 ON OCT 30	83 600	1976
1977	10.3 AT 23:30 MST ON JUN 7	9.54 ON JUN 8	0.872A ON OCT 31	41 400	1977
1978	29.2 AT 21:30 MST ON JUN 5	22.7 ON JUN 6	1.03 A ON OCT 31	81 700	1978
1979	25.6 AT 23:00 MST ON MAY 26	19.6 ON MAY 27	0.490E ON OCT 31	60 300	1979
1980	23.8 AT 23:30 MST ON MAY 25	21.4 ON MAY 26	1.04 ON OCT 23	82 000	1980
1981	36.8 AT 01:00 MST ON MAY 26	32.6 ON MAY 26	0.549B ON OCT 21	85 200	1981
1982	20.9 AT 22:10 MST ON JUN 14	18.5 ON JUN 16	0.819B ON OCT 31	63 000	1982
				79 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0.070	0.029	---	---	---	1935
1936	---	---	0	0	0.015	0.035	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0	0.015	0.035	---	---	0.070	0.029	---	---	---	MEAN

LOCATION - LAT 50 32 23 N
LONG 113 58 08 W REGULATED

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON SEP 12 *	---	1935
1936	---	---	0 ON MAR 1	---	1936
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	47.9	46.5	21.2	---	7.66	---	---	---	1912
1913	---	---	---	---	20.4	48.3	22.4	21.3	10.1	9.11	---	---	---	1913
1914	---	---	---	7.42	25.1	36.8	18.2	5.29	4.22	8.55	---	---	---	1914
1915	---	---	---	7.26	59.5	95.7	68.1	28.3	13.1	12.0	---	---	---	1915
1916	---	---	7.29	12.8	35.2	108	67.1	36.1	24.7	16.6	10.3	4.85	---	1916
1917	5.19	2.23	2.00	9.23	63.3	117	29.6	10.3	6.75	5.22	4.91	2.30	21.5	1917
1918	2.00	0.861	1.86	7.37	18.8	39.4	16.0	12.2	8.32	6.36	4.19	3.04	10.1	1918
1919	1.89	1.56	1.97	6.14	31.0	23.2	8.95	12.6	4.68	3.81	1.98	2.23	8.38	1919
1920	1.73	1.90	2.61	16.1	44.5	57.7	48.0	11.2	4.91	3.54	2.43	1.72	16.2	1920
1921	1.52	1.33	2.15	7.10	29.2	39.8	14.5	4.89	4.16	3.94	2.71	2.44	9.67	1921
1922	1.68	1.42	1.46	5.79	30.8	40.9	16.2	6.35	3.65	2.90	2.10	1.11	9.55	1922
1923	0.901	0.931	2.70	5.81	21.0	100	30.1	13.2	6.66	5.02	3.33	2.85	19.3	1923
1924	1.92	2.17	2.17	11.0	25.4	51.2	22.1	22.0	7.48	5.01	2.90	2.19	13.0	1924
1925	1.83	2.45	5.90	24.1	37.8	47.9	15.4	8.00	7.32	11.9	7.13	4.19	14.5	1925
1926	2.80	2.61	4.11	13.3	12.4	31.9	19.7	6.69	36.3	23.9	11.9	5.55	14.3	1926
1927	3.49	3.23	4.18	9.63	41.8	95.6	39.1	36.2	49.6	38.3	9.90	3.81	28.0	1927
1928	1.93	5.62	17.4	15.4	42.6	74.7	46.2	11.1	9.88	8.92	5.73	3.84	21.0	1928
1929	2.51	2.00	5.16	9.16	42.6	102	15.3	5.61	4.61	4.37	2.36	1.70	16.5	1929
1930	1.57	1.53	4.09	20.4	36.5	55.8	22.7	7.42	5.49	4.18	2.90	1.81	14.2	1930
1931	1.85	2.17	3.78	4.54	16.7	22.7	8.92	---	---	---	---	---	---	1931
1933	---	---	---	---	38.0	50.3	18.3	7.17	---	---	---	---	---	1933
1934	---	---	---	---	33.9	31.5	12.9	4.00	3.49	3.64	4.25	---	---	1934
1935	---	---	---	7.01	19.8	35.4	18.1	7.56	4.15	3.71	---	---	---	1935
1936	---	---	1.60	7.34	18.5	25.4	5.75	2.43	1.09	0.682	---	---	---	1936
1937	---	---	0.216	2.64	13.0	38.0	12.2	6.10	4.29	---	---	---	---	1937
1938	---	---	---	6.13	56.0	60.7	26.9	5.08	3.65	3.36	---	---	---	1938
1939	---	---	2.52	5.56	17.2	61.8	24.0	6.90	5.12	5.81	---	---	---	1939
1940	---	---	2.13	11.3	38.9	27.6	9.59	5.37	17.5	11.8	---	---	---	1940
1941	---	---	---	3.50	8.93	21.7	5.93	6.75	13.8	12.8	---	---	---	1941
1942	---	---	2.30	9.31	89.9	91.0	46.5	26.3	24.9	12.5	---	---	---	1942
1943	---	---	---	24.4	27.8	39.6	20.6	7.37	4.34	3.49	---	---	---	1943
1944	---	---	2.11	4.76	9.25	13.8	8.03	5.18	3.72	2.81	---	---	---	1944
1945	---	---	1.89	2.93	35.7	83.4	38.2	10.2	8.67	9.33	---	---	---	1945
1946	---	---	5.33	9.96	36.4	61.4	24.7	10.5	15.0	9.49	---	---	---	1946
1947	---	---	13.3	21.5	56.7	57.3	20.8	10.8	13.6	14.2	---	---	---	1947
1948	---	---	1.62	22.1	77.8	72.1	24.7	14.9	5.42	4.57	---	---	---	1948
1949	---	---	2.08	8.78	25.9	27.0	9.30	3.45	2.72	3.27	---	---	---	1949
1950	---	---	2.39	7.53	36.7	55.4	21.8	8.10	3.38	2.83	---	---	---	1950
1951	---	---	---	10.6	66.8	88.6	73.5	27.2	47.7	35.6	---	---	---	1951
1952	---	---	9.99	38.6	39.1	52.0	29.8	13.3	7.19	4.93	---	---	---	1952
1953	---	---	5.00	14.3	51.5	100	38.4	11.5	5.70	4.54	---	---	---	1953
1954	---	---	4.35	11.3	50.5	65.3	36.7	15.2	12.4	13.1	---	---	---	1954
1955	---	---	3.69	11.4	36.8	54.5	38.9	8.84	5.26	6.10	---	---	---	1955
1956	---	---	4.00	13.2	49.6	45.1	35.6	10.3	5.62	4.58	---	---	---	1956
1957	---	---	3.66	11.2	41.6	29.9	10.0	5.30	4.66	4.36	3.74	2.30	---	1957
1958	1.70	1.65	2.27	20.5	47.3	32.0	35.9	11.9	6.53	4.43	3.27	2.66	14.3	1958
1959	1.99	1.81	8.61	7.79	33.4	52.9	19.8	6.95	7.87	6.56	5.63	3.85	13.1	1959
1960	2.59	2.88	9.46	9.53	32.0	42.2	15.2	7.39	3.25	2.41	2.57	3.35	11.1	1960
1961	1.57	2.05	4.19	3.02	40.6	47.0	11.1	8.52	5.89	13.8	8.80	2.87	12.5	1961
1962	2.54	4.21	5.86	14.9	25.3	38.7	12.1	4.87	4.32	3.42	2.43	2.38	9.76	1962
1963	1.24	2.49	2.64	3.80	17.9	55.0	53.2	6.37	3.79	2.56	2.60	2.96	12.9	1963
1964	1.69	1.72	1.51	3.78	32.1	71.6	19.5	6.22	5.32	4.86	3.25	1.16	12.7	1964
1965	2.12	3.69	4.71	12.4	19.3	62.9	37.4	11.4	10.4	11.4	1.96	3.10	15.5	1965
1966	2.86	2.88	4.57	6.80	33.8	50.7	20.9	9.68	5.04	4.42	4.29	3.03	12.4	1966
1967	2.69	2.20	4.66	4.07	51.9	112	27.7	7.81	3.97	3.30	2.61	1.32	18.6	1967
1968	1.65	1.66	2.72	3.54	18.2	40.7	18.3	10.1	8.64	9.86	4.98	3.30	10.3	1968
1969	2.35	2.42	9.69	25.2	44.9	71.6	62.8	8.91	4.70	4.02	3.18	2.83	20.3	1969
1970	1.42	1.70	2.53	5.76	28.9	59.5	16.2	4.91	3.68	3.31	2.45	1.46	11.0	1970
1971	1.28	4.50	2.61	15.3	39.5	58.1	15.2	5.46	3.98	3.71	3.37	1.65	12.9	1971
1972	1.71	1.73	8.64	10.3	52.6	75.9	23.1	12.3	7.32	6.22	4.47	2.00	17.2	1972
1973	2.31	2.12	5.37	6.30	30.2	48.6	15.2	6.12	6.41	4.21	3.06	2.51	11.1	1973
1974	1.62	1.95	5.14	15.5	49.9	88.1	24.5	10.6	8.04	6.15	3.49	2.35	18.1	1974
1975	1.81	1.45	1.96	8.70	32.2	69.1	30.8	10.7	5.53	4.52	2.58	2.34	14.7	1975
1976	2.31	2.23	4.18	9.17	34.0	22.1	13.3	30.6	9.04	5.21	3.14	2.89	11.6	1976
1977	2.06	2.91	2.82	4.88	11.6	11.9	4.91	7.11	6.92	5.01	2.53	2.09	5.40	1977
1978	1.87	1.54	6.00	8.44	32.3	54.6	26.5	10.3	7.88	5.82	3.05	2.01	13.4	1978
1979	1.39	1.99	7.34	9.36	31.8	28.2	9.91	5.62	4.07	2.84	1.76	1.66	8.86	1979
1980	0.839	1.20	1.75	13.7	31.5	46.2	9.73	9.18	7.10	6.54	4.35	4.51	11.4	1980
1981	3.43	2.84	3.76	4.36	63.8	59.3	28.0	11.5	4.47	3.36	2.52	1.48	15.8	1981
1982	1.19	1.35	1.77	5.52	13.7	39.0	14.2	3.23	3.33	3.99	---	---	---	1982
MEAN	2.18	2.38	4.27	10.4	35.6	56.8	25.2	10.9	8.70	7.32	4.15	2.64	14.0	MEAN

LOCATION - LAT 50 41 58 N   DRAINAGE AREA, 2 300 km²
LONG 113 51 23 W   REGULATED SINCE 1910

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	303 ON JUN 16	---	---	1912
1913	---	76.7 ON JUN 28	---	---	1913
1914	---	60.6 ON JUN 8	---	---	1914
1915	196 ON JUN 26	328 ON JUN 26	---	---	1915
1916	---	289 ON JUN 29	---	---	1916
1917	---	204 ON JUN 3	1.42 B ON DEC 12	678 000	1917
1918	---	88.6 ON JUN 11	0.283B ON FEB 20 *	317 000	1918
1919	---	72.2 ON MAY 28	1.08 B ON FEB 26	264 000	1919
1920	---	93.7 ON MAY 9	0.963B ON DEC 26	513 000	1920
1921	---	62.6 ON JUN 8	0.623B ON MAR 14	305 000	1921
1922	---	66.8 ON JUN 5	0.708B ON DEC 6	301 000	1922
1923	643 AT 19:30 MST ON JUN 1	501 ON JUN 1 *	0.708B ON FEB 14	610 000	1923
1924	---	102 ON JUN 15	0.900B ON DEC 19	410 000	1924
1925	---	100 ON MAY 22	1.06 B ON FEB 27	458 000	1925
1926	---	85.2 ON JUN 20	2.15 B ON JAN 22	450 000	1926
1927	---	181 ON JUN 11	3.20 B ON JAN 15	883 000	1927
1928	---	178 ON JUN 18	2.83 B ON DEC 31	664 000	1928
1929	561 AT 17:00 MST ON JUN 3	490 ON JUN 3	1.53 B ON DEC 11	519 000	1929
1930	---	89.5 ON JUN 8	1.22 B ON DEC 14	447 000	1930
1931	34.8 AT 18:00 MST ON JUN 18	34.5 ON JUN 18	1.03 B ON JAN 14	---	1931
1933	---	88.1 ON JUN 16	---	---	1933
1934	---	67.4 ON JUN 8	---	---	1934
1935	46.4 AT 18:30 MST ON JUN 18	45.0 ON JUN 18	---	---	1935
1936	---	46.4 ON JUN 2	---	---	1936
1937	107 IN JUN	101 ON JUN 14	---	---	1937
1938	140 AT 08:00 MST ON MAY 25	139 ON MAY 25	---	---	1938
1939	137 AT 12:00 MST ON JUN 17	132 ON JUN 17	---	---	1939
1940	---	78.4 ON MAY 27	---	---	1940
1941	---	56.4 ON JUN 3	---	---	1941
1942	708 AT 02:00 MST ON MAY 12 *	447 ON MAY 12	---	---	1942
1943	---	52.1 ON MAY 31	---	---	1943
1944	---	17.0 ON MAY 27	---	---	1944
1945	135 AT 08:45 MST ON JUN 28	133 ON JUN 28	---	---	1945
1946	---	129 ON JUN 8	---	---	1946
1947	---	126 ON MAY 11	---	---	1947
1948	289 AT 20:15 MST ON MAY 23	250 ON MAY 24	---	---	1948
1949	---	52.4 ON MAY 22	---	---	1949
1950	---	90.3 ON JUN 16	---	---	1950
1951	---	172 ON AUG 31	---	---	1951
1952	---	124 ON JUN 13	---	---	1952
1953	510 AT 16:00 MST ON JUN 9	413 ON JUN 9	---	---	1953
1954	---	114 ON MAY 20	---	---	1954
1955	---	106 ON MAY 19	---	---	1955
1956	---	116 ON MAY 21	---	---	1956
1957	---	58.6 ON MAY 15	---	---	1957
1958	74.5B AT 12:30 MST ON APR 14	73.1 ON JUL 7	0.538B ON FEB 9	450 000	1958
1959	73.9 AT 13:00 MST ON JUN 28	70.5 ON JUN 28	0.481B ON FEB 9	414 000	1959
1960	---	72.5 ON MAY 13	0.453B ON NOV 29	350 000	1960
1961	---	136 ON MAY 28	0.368B ON JAN 26	394 000	1961
1962	48.7 AT 22:00 MST ON JUN 18	47.0 ON JUN 18	1.06 B ON DEC 31	308 000	1962
1963	447 AT 13:00 MST ON JUN 30	379 ON JUN 30	0.595B ON JAN 12	409 000	1963
1964	158 AT 03:00 MST ON JUN 18	139 ON JUN 18	0.572B ON DEC 15	402 000	1964
1965	204 AT 16:00 MST ON JUN 18	180 ON JUN 18	0.467B ON DEC 25	488 000	1965
1966	112 AT 11:00 MST ON JUN 5	106 ON JUN 5	0.850B ON DEC 25	392 000	1966
1967	345 AT 15:00 MST ON MAY 31	320 ON MAY 31	1.08 B ON DEC 18	588 000	1967
1968	68.8 AT 18:00 MST ON JUN 9	67.7 ON JUN 11	0.793B ON JAN 11	326 000	1968
1969	277 AT 23:00 MST ON JUN 29	238 ON JUN 29	2.12 B ON MAR 1	640 000	1969
1970	223 AT 08:39 MST ON JUN 14	193 ON JUN 14	1.02 B ON DEC 21	346 000	1970
1971	152 AT 02:00 MST ON JUN 7	142 ON JUN 7	0.708B ON JAN 14	406 000	1971
1972	158 AT 11:00 MST ON JUN 1	150 ON JUN 1	0.767B ON DEC 5	544 000	1972
1973	79.9 AT 17:00 MST ON MAY 26	71.6 ON MAY 26	1.70 B ON DEC 31	349 000	1973
1974	162 AT 15:00 MST ON JUN 17	153 ON JUN 17	0.892B ON FEB 2	571 000	1974
1975	239 AT 16:30 MST ON JUN 20	191 ON JUN 20	0.932B ON FEB 6	463 000	1975
1976	173 AT 11:30 MST ON AUG 6	150 ON AUG 6	1.50 B ON MAR 1	366 000	1976
1977	18.9 AT 07:00 MST ON MAY 12	18.3 ON JUN 9	1.08 B ON JAN 4	170 000	1977
1978	106 AT 13:30 MST ON JUN 6	96.6 ON JUN 6	0.937B ON DEC 31	422 000	1978
1979	86.2 AT 14:00 MST ON MAY 27	76.5 ON MAY 27	0.968B ON JAN 1	280 000	1979
1980	92.9 AT 08:30 MST ON MAY 27	88.5 ON MAY 27	0.500B ON JAN 10	360 000	1980
1981	202 AT 13:15 MST ON MAY 26	177 ON MAY 26	1.38 B ON DEC 30	499 000	1981
1982	56.2 AT 13:24 MST ON JUN 16	52.9 ON JUN 16	---	---	1982
				441 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	50.8	101	28.5	7.79	4.98	4.56	3.69	2.56	---	1970
1971	2.04	5.32	3.88	30.7	63.6	92.0	22.1	8.25	5.96	5.87	3.42	2.39	20.4	1971
1972	2.20	2.33	18.7	21.2	79.2	104	33.9	18.4	11.0	8.87	5.74	3.15	25.8	1972
1973	3.24	3.24	7.30	13.9	51.0	74.8	23.0	9.80	11.5	6.47	4.16	3.48	17.7	1973
1974	2.37	2.91	6.90	30.7	90.2	130	35.2	17.4	14.5	9.80	5.20	3.36	29.1	1974
1975	2.56	2.34	3.12	19.3	50.1	102	53.3	16.7	8.56	7.09	4.04	3.67	22.8	1975
1976	3.62	2.78	5.50	14.1	51.8	35.5	20.0	45.5	13.4	7.74	4.07	3.22	17.8	1976
1977	2.32	3.41	4.27	9.42	18.0	17.4	7.33	13.0	10.7	8.57	3.42	2.49	8.38	1977
1978	2.20	1.97	11.8	16.2	55.5	85.4	42.7	16.1	12.5	8.76	5.86	3.97	22.0	1978
1979	2.37	2.15	7.75	18.2	51.8	41.5	14.5	9.07	5.58	3.82	2.12	1.90	13.4	1979
1980	1.11	1.83	2.49	23.8	49.2	80.7	16.5	14.9	12.5	10.7	6.10	6.81	18.9	1980
1981	5.00	4.71	5.71	6.84	111	91.4	44.0	21.5	7.63	5.71	4.02	2.20	25.9	1981
1982	1.43	1.66	2.42	10.9	20.7	64.8	26.0	6.29	6.07	7.34	3.60	2.85	12.8	1982
MEAN	2.54	2.89	6.65	17.9	57.1	78.5	28.2	15.7	9.61	7.33	4.26	3.23	19.5	MEAN

LOCATION - LAT 50 47 00 N   DRAINAGE AREA, 3 990 km^2
LONG 113 49 13 W   REGULATED SINCE 1910

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	430 AT 11:30 MST ON JUN 14 *	331 ON JUN 14 *	---	---	1970
1971	278 AT 17:45 MST ON JUN 6	238 ON JUN 7	1.42 B ON JAN 13	645 000	1971
1972	219 AT 10:30 MST ON JUN 1	205 ON JUN 1	1.93 B ON DEC 4	814 000	1972
1973	141 AT 04:10 MST ON MAY 27	124 ON MAY 27	2.63 B ON FEB 7	557 000	1973
1974	232 AT 12:20 MST ON JUN 17	215 ON JUN 17	1.81 B ON JAN 1	919 000	1974
1975	357 AT 15:30 MST ON JUN 20	292 ON JUN 20	1.90 B ON FEB 5	719 000	1975
1976	213 AT 11:00 MST ON AUG 6	178 ON AUG 6	1.68 B ON DEC 7	549 000	1976
1977	31.4 AT 06:30 MST ON MAY 25	29.7 ON MAY 25	1.51 B ON NOV 24	264 000	1977
1978	163 AT 15:40 MST ON JUN 6	154 ON JUN 6	1.80 B ON FEB 15	693 000	1978
1979	126 AT 13:00 MST ON MAY 27	115 ON MAY 27	1.60 B ON DEC 2	424 000	1979
1980	178 AT 10:30 MST ON JUN 4	161 ON JUN 4	0.620B ON JAN 10 *	596 000	1980
1981	307 AT 14:00 MST ON MAY 26	265 ON MAY 26	1.72 B ON DEC 31	818 000	1981
1982	88.4 AT 15:14 MST ON JUN 15	84.0 ON JUN 15	0.850B ON JAN 7	405 000	1982
				617 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	0.268	---	---	---	1974
1975	---	---	0.003	0.481	1.16	0.426	0.375	0.013	0.002	0.002	---	---	0.308	1975
1976	---	---	0	2.52	1.00	2.11	1.70	2.66	0.522	0.172	---	---	1.33	1976
1977	---	---	0.007	1.83	4.16	6.90	0.273	0.044	0.039	0.308	---	---	1.68	1977
1978	---	---	0.028	0.994	4.48	0.416	0.022	0.005	0.106	0.086	---	---	0.771	1978
1979	---	---	0	0.434	5.83	3.06	1.82	0.398	0.056	0.017	---	---	1.45	1979
1980	---	---	0.001	0.165	0.140	0.207	0.040	0.005	0.064	0.079	---	---	0.087	1980
1981	---	---	0.002	1.20	2.22	0.810	0.312	0.033	0.002	0.002	---	---	0.571	1981
1982	---	---	0	0.622	3.80	0.047	0.001	0.156	0.007	0.015	---	---	0.586	1982
MEAN	---	---	0.005	1.03	2.85	1.75	0.568	0.414	0.100	0.105	---	---	0.848	MEAN

LOCATION - LAT 56 20 03 N   DRAINAGE AREA, 374 km^2
LONG 118 15 46 W   NATURAL FLOW

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	2.21 ON JUN 30	0 ON AUG 18 *	6 520	1975
1976	10.8 AT 22:00 MST ON JUN 27	9.97 ON JUN 28	0 B ON MAR 1	28 200	1976
1977	24.1 AT 16:00 MST ON JUN 4 *	23.8 ON JUN 4 *	0.005B ON MAR 20	35 500	1977
1978	13.9 AT 18:00 MST ON MAY 24	11.9 ON MAY 25	0.001 ON AUG 14	16 300	1978
1979	12.7 AT 09:30 MST ON MAY 31	12.2 ON MAY 31	0 B ON MAR 1	30 800	1979
1980	0.756 AT 12:00 MST ON JUN 19	0.750 ON JUN 19	0 B ON MAR 1	1 840	1980
1981	7.16 AT 05:00 MST ON MAY 2	6.94 ON MAY 2	0 B ON MAR 1	12 100	1981
1982	10.0 E AT 19:00 MST ON MAY 3	9.26 ON MAY 6	0 B ON MAR 1	12 400	1982
				18 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	0.524	0.025	0	0	---	---	---	1971
1972	---	---	0.209	8.53	11.6	0.624	1.07	1.19	0.025	0.126	---	---	2.92	1972
1973	---	---	0.008	20.3	10.0	4.30	1.71	0.877	1.09	1.69	---	---	4.96	1973
1974	---	---	0.011R	43.8 R	29.6 R	3.84 R	0.427R	0.317R	0.146R	1.07 R	---	---	9.82 R	1974
1975	---	---	0.004	1.88	1.11	0.376	1.25	0.021	0.020	0.018	---	---	0.581	1975
1976	---	---	0.074	7.58	1.87	1.91	4.52	3.31	1.06	0.533	---	---	2.60	1976
1977	---	---	0.121	6.64	6.79	12.8	0.926	0.136	0.038	0.481	---	---	3.05	1977
1978	---	---	0.152	3.87	6.49	2.38	0.042	0.005	0.026	0.064	---	---	1.62	1978
1979	---	---	0	5.06	11.6	5.74	6.61	0.697	0.097	0.019	---	---	3.73	1979
1980	---	---	0.002	0.397	0.104	1.08	0.140	0.001	0.016	0.029	---	---	0.218	1980
1981	---	---	0.569	6.99	5.05	0.806	0.145	0	0	0	---	---	1.69	1981
1982	---	---	0	1.94	7.00	0.264	0.003	0.207	0	0.014	---	---	1.41	1982
MEAN	---	---	0.106R	9.91 R	8.29 R	1.10 R	1.45 R	0.566R	0.211R	0.333R	---	---	3.00	MEAN

LOCATION - LAT 56 04 05 N LONG 118 39 35 W DRAINAGE AREA, 1 240 km² NATURAL FLOW

R - REVISED SINCE JAN 1980

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	0 ON MAR 1 *	---	1971
1972	39.4 AT 19:00 MST ON APR 19	33.7 ON APR 29	0 B ON MAR 1	61 800	1972
1973	---	43.9 ON APR 12	0 B ON MAR 1	105 000	1973
1974	---	119 BA ON APR 22 *	0 BR ON MAR 1	208 000R	1974
1975	---	5.41B ON APR 17	0.001 ON AUG 23	12 300	1975
1976	21.5 AT 01:00 MST ON APR 18	17.6 ON APR 18	0.065B ON MAR 1	55 000	1976
1977	23.6 AT 02:00 MST ON JUN 12	23.2 ON JUN 12	0.034E ON SEP 9	73 200	1977
1978	11.0 AT 15:30 MST ON MAY 31	10.8 ON MAY 29	0.001 ON AUG 28	34 300	1978
1979	67.7 B AT 04:00 MST ON APR 29 *	59.2 B ON APR 29	0 B ON MAR 1	78 900	1979
1980	6.43 AT 07:00 MST ON JUN 19	6.16 ON JUN 19	0 B ON MAR 1	4 620	1980
1981	19.6 AT 21:00 MST ON APR 23	19.4 ON APR 24	0 B ON MAR 1	35 700	1981
1982	20.9 AT 21:00 MST ON APR 27	15.9 ON APR 27	0 B ON MAR 1	30 300	1982
MEAN				63 600R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.036	---	---	---	---	---	1974
MEAN	---	---	---	---	---	---	---	0.036	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 53 N LONG 117 33 48 W DRAINAGE AREA, 16.8 km² NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.578A AT 01:30 MST ON MAY 12 *	0.572A ON MAY 12 *	---	---	1974
MEAN				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINTON STUDY BASIN NO.14 - STATION NO. 07AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.149	0.124	0.086	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.149	0.124	0.086	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 15 N LONG 118 16 47 W DRAINAGE AREA, 12.2 km² NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.14 - STATION NO. 07AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.623 AT 00:20 MST ON JUL 12 *	0.428 ON JUL 12 *	---	---	1974
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.292	0.150	0.151	0.107	---	---	---	---	---	1974
MEAN	---	---	---	---	0.292	0.150	0.151	0.107	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 19 N LONG 117 18 04 W
DRAINAGE AREA, 19.7 km² NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.674 AT 03:20 MST ON JUL 12 *	0.473 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.16 - STATION NO. 07AF012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.145	0.036	0.042	---	---	---	---	---	---	1974
MEAN	---	---	---	---	0.145	0.036	0.042	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 32 N LONG 117 17 04 W
DRAINAGE AREA, 8.05 km² NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.107	0.116	0.101	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.107	0.116	0.101	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 03 N LONG 117 33 48 W
DRAINAGE AREA, 14.5 km² NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.855A AT 09:20 MST ON MAY 8 *	0.841A ON MAY 8 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.706	0.188	0.299	0.168	---	---	---	---	---	1974
MEAN	---	---	---	---	0.706	0.188	0.299	0.168	---	---	---	---	---	MEAN

LOCATION - LAT 53 37 18 N LONG 117 31 25 W
DRAINAGE AREA, 19.7 km² NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	1.59 AT 22:40 MST ON MAY 7 *	1.28 ON MAY 7 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.865	0.358	0.297	0.065	---	---	---	---	---	1974
MEAN	---	---	---	---	0.865	0.358	0.297	0.065	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 55 N DRAINAGE AREA, 23.8 km²
LONG 116 43 20 W NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	2.73 AT 08:20 MST ON JUL 12 *	2.06 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.23	0.355	0.427	0.166	---	---	---	---	---	1974
MEAN	---	---	---	---	1.23	0.355	0.427	0.166	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 22 N DRAINAGE AREA, 22.0 km²
LONG 116 45 44 W NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	2.74 AT 07:30 MST ON JUL 12 *	2.22 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	1974
MEAN	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	MEAN

LOCATION - LAT 53 48 43 N DRAINAGE AREA, 23.1 km²
LONG 116 44 52 W NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	3.37 AT 06:20 MST ON JUL 12 *	2.38 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.9 - STATION NO. 07AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	1974
MEAN	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	MEAN

LOCATION - LAT 53 50 00 N DRAINAGE AREA, 7.54 km²
LONG 116 40 54 W NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.974 AT 09:20 MST ON JUL 12 *	0.759 ON APR 29 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.116	0.014	0.002	0	0	0	0	---	---	---	1970
1971	---	---	0	0.023	0.003	0.096	0.054	0	0	0.001	---	---	0.022	1971
1972	---	---	0.008	0.124	0.027	0.021	0.006	0	0	0.001	---	---	0.023	1972
1973	---	---	0	0.089	0.033	0.049	0.003	0.001	0.003	0.008	---	---	0.023	1973
1974	---	---	0	0.269	0.088	0.002	0	0	0	0	---	---	0.044	1974
1975	---	---	---	0.043	0.012	0.009	0.017	0	0.001	0.001	---	---	---	1975
1976	---	---	---	---	0.009	0.119	0.022	0.161	0.016	0.004	---	---	---	1976
1977	---	---	---	---	0.098	0.020	0.025	0.008	0.006	---	---	---	---	1977
1978	---	---	---	---	0.062	---	0.004	0	0.013	0.008	---	---	---	1978
1979	---	---	---	---	0.115	0.170	0.025	0	0	---	---	---	---	1979
1980	---	---	---	0.024	0.014	0.038	0.007	0.003	0.010	---	---	---	---	1980
1981	---	---	---	0.075	0.020	0.004	0.001	0	0	0	---	---	---	1981
1982	---	---	---	---	0.018	0.001	0.017	0.024	0.002	0.001	---	---	---	1982
MEAN	---	---	0.002	0.095	0.039	0.044	0.014	0.015	0.004	0.002	---	---	0.028	MEAN

LOCATION - LAT 54 55 19 N DRAINAGE AREA, 4.27 km^2
LONG 117 48 47 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.317 ON APR 22	0 ON JUN 19 *	---	1970
1971	0.767 AT 01:00 MST ON JUN 27	0.564 ON JUN 27	0 ON MAR 1	463	1971
1972	0.348 AT 10:[illegible]0 MST ON APR 20	0.272 ON APR 15	0B ON MAR 1	488	1972
1973	0.261 AT 15:00 MST ON APR 23	0.224 ON APR 24	0B ON MAR 1	485	1973
1974	---	0.818 ON APR 23	0B ON MAR 1	941	1974
1975	---	0.130B ON APR 17	0B ON MAR 5	---	1975
1976	---	1.01 E ON AUG 17 *	---	---	1976
1977	---	0.895 ON APR 9	---	---	1977
1978	---	0.490A ON APR 13	---	---	1978
1979	0.976 AT 03:00 MST ON JUN 14 *	0.879 ON JUN 14	0B ON APR 6	---	1979
1980	0.195 AT 23:41 MST ON JUN 26	0.122 ON JUN 6	0B ON APR 1	---	1980
1981	0.198 AT 03:15 MST ON APR 25	0.160B ON APR 25	0B ON MAR 5	---	1981
1982	0.488 AT 04:12 MST ON AUG 3	0.172 ON AUG 3	0 ON JUN 17	---	1982
				594	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	0.179	0.165	0.141	---	---	---	---	---	---	---	---	---	---	1931
1976	0.416	0.532	0.493	7.14	2.71	5.04	13.5	21.5	41.7	15.1	2.47	1.01	9.30	1976
1977	0.750	0.741	0.798	11.3	18.5	18.7	14.7	7.59	4.21	7.16	2.10	1.09	7.34	1977
1978	0.770	0.472	0.546	6.29	19.2	11.6	5.27	4.22	40.5	16.6	4.86	1.96	9.36	1978
1979	0.930	0.643	0.754	1.29	---	24.1	5.76	3.83	---	---	---	---	---	1979
MEAN	0.609	0.511	0.546	6.51	13.5	14.9	9.81	9.29	28.8	13.0	3.14	1.35	8.67	MEAN

LOCATION - LAT 56 42 29 N DRAINAGE AREA, 2 130 km^2
LONG 111 23 40 W NATURAL FLOW

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1976	97.1 AT 17:50 MST ON AUG 29 *	94.6 ON AUG 29 *	0.337B ON JAN 14 *	294 000	1976
1977	35.4 AT 18:25 MST ON JUN 3	34.5 ON JUN 3	0.736B ON JAN 14	231 000	1977
1978	59.7 AT 21:22 MST ON SEP 11	59.5 ON SEP 11	0.411B ON FEB 11	295 000	1978
1979	---	---	---	---	1979
				273 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.27	2.54	3.50	2.34	1.39	---	---	---	1982
MEAN	---	---	---	---	---	3.27	2.54	3.50	2.34	1.39	---	---	---	MEAN

LOCATION - LAT 55 38 30 N DRAINAGE AREA, 764 km²
LONG 112 09 25 W

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.004	---	---	---	1977
1978	---	---	0	0.046	0.416	0.365	0.059	0.040	0.194	0.210	---	---	0.166	1978
1979	---	---	0	0.015	1.45	0.923	0.108	0.039	0.026	0.012	---	---	0.322	1979
1980	---	---	0	0.040	0.006	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0	0.030	0.159	0.012	0.016	0	0	0.003	---	---	0.028	1981
1982	---	---	0	0.006	0.081	0.004	0	0.004	0	0	---	---	0.007	1982
MEAN	---	---	0	0.027	0.418	0.261	0.037	0.017	0.044	0.038	---	---	0.106	MEAN

LOCATION - LAT 58 43 05 N DRAINAGE AREA, 103 km²
LONG 117 14 27 W NATURAL FLOW

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 16 *	---	1977
1978	0.906 AT 16:00 MST ON MAY 26	0.892 ON MAY 26	0B ON MAR 1	3 520	1978
1979	2.31 AT 01:00 MST ON MAY 29 *	2.28 ON MAY 29 *	0B ON MAR 1	6 810	1979
1980	0.203B AT 06:30 MST ON APR 16	0.150B ON APR 18	0B ON MAR 1	125	1980
1981	0.582 AT 10:30 MST ON MAY 5	0.466 ON MAY 3	0B ON MAR 1	585	1981
1982	0.489 AT 09:00 MST ON AUG 30	0.118 ON AUG 30	0B ON MAR 1	148	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 240	MEAN

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	0.974	8.19	3.70	---	---	---	1969
1970	---	---	0.438	20.6	27.6	9.84	4.29	1.92	0.797	0.700	---	---	8.25	1970
1971	---	---	0.392	30.2	17.0	40.4	63.2	6.11	1.56	4.01	---	---	20.3	1971
1972	---	---	1.52	26.3	45.0	31.6	25.0	13.8	3.76	3.68	---	---	18.8	1972
1973	---	---	0.628	25.8	38.9	29.8	9.77	10.0	4.75	8.86	---	---	16.0	1973
1974	---	---	1.22	61.4	72.3	8.27	5.18	0.854	1.17	1.23	---	---	18.9	1974
1975	---	---	0.474	7.24	16.5	15.6	17.9	4.41	4.41	2.17	---	---	8.58	1975
1976	---	---	0.696	41.0	12.7	24.7	20.9	30.3	17.3	6.03	---	---	19.1	1976
1977	---	---	1.37	34.0	60.6	39.6	31.3	9.21	8.14	8.99	---	---	24.1	1977
1978	---	---	1.19	9.70	19.6	46.6	11.8	7.20	29.3	10.7	---	---	16.9	1978
1979	---	---	1.25	11.2	51.3	47.2	48.5	5.32	1.50	0.785	---	---	20.9	1979
1980	---	---	0.396	10.7	12.9	38.3	25.3	9.98	12.4	5.78	---	---	14.4	1980
1981	---	---	1.11	13.3	18.3	21.7	4.76	2.07	0.346	0.473	---	---	7.71	1981
1982	---	---	0.362	1.26	36.0	6.23	18.5	34.1	7.31	2.90	---	---	13.4	1982
MEAN	---	---	0.850	22.5	33.0	27.7	22.0	9.73	7.21	4.29	---	---	15.9	MEAN

LOCATION - LAT 54 44 43 N DRAINAGE AREA, 1 950 km²
LONG 117 09 04 W NATURAL FLOW

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	62.6 AT 13:00 MST ON APR 24	62.0 ON APR 24	0.343B ON MAR 1	175 000	1970
1971	255 AT 14:30 MST ON JUL 5 *	239 ON JUL 5 *	0.362B ON MAR 6	430 000	1971
1972	191 AT 04:00 MST ON JUN 28	182 ON JUN 28	0.566B ON MAR 1	399 000	1972
1973	88.6 AT 22:00 MST ON APR 29	83.0 ON APR 29	0.459B ON MAR 15	339 000	1973
1974	182 AT 20:00 MST ON APR 27	180 ON APR 27	0.411E ON AUG 10	400 000	1974
1975	162 AT 21:00 MST ON JUN 29	125 ON JUN 29	0.425B ON MAR 9	182 000	1975
1976	161 AT 03:30 MST ON JUN 29	149 ON JUN 29	0.496B ON MAR 10	404 000	1976
1977	145 AT 21:30 MST ON MAY 30	138 ON MAY 30	1.13 B ON MAR 16	511 000	1977
1978	207 AT 00:30 MST ON JUN 17	187 ON JUN 16	0.484B ON MAR 1	357 000	1978
1979	141 AT 17:00 MST ON JUN 15	134 ON JUN 15	0.552 ON OCT 9	443 000	1979
1980	95.7 AT 03:30 MST ON JUN 6	92.4 ON JUN 6	0.186B ON MAR 8	305 000	1980
1981	83.6 AT 16:00 MST ON JUN 2	80.4 ON JUN 2	0.172 ON SEP 18 *	163 000	1981
1982	145 AT 03:30 MST ON AUG 5	137 ON AUG 5	0.334B ON MAR 1	285 000	1982
				338 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	0.011	0.098	0.025	---	---	---	1964
1965	---	---	0.057	5.17	2.15	1.10	2.33	0.121	0.096	0.071	---	---	1.38	1965
1966	---	---	0.062	1.47	0.417	0.220	0.097	0.747	0.296	0.088	---	---	0.422	1966
1967	---	---	0.025	0.407	0.783	0.519	0.166	0.007	0	0	---	---	0.238	1967
1968	---	---	2.38	1.02	0.239	0.100	0.010	0.006	0.198	0.632	---	---	0.574	1968
1969	---	---	0	7.09	1.71	0.244	0.079	0.052	0.037	0.058	---	---	1.14	1969
1970	---	---	0	2.87	1.31	0.197	0.830	0.328	0.083	0.099	---	---	0.711	1970
1971	---	---	0.090	5.96	2.06	0.519	0.269	0.086	0.025	0.027	---	---	1.12	1971
1972	---	---	0.022	1.99	0.662	0.114	0.065	0.057	0.024	0.034	---	---	0.367	1972
1973	---	---	0.123	1.68	0.730	2.02	1.93	3.27	0.560	0.555	---	---	1.36	1973
1974	---	---	0.057	23.0	12.9	2.29	0.847	0.192	0.301	0.122	---	---	4.93	1974
1975	---	---	0.006	1.96	3.40	0.549	0.205	0.029	0.020	0.013	---	---	0.772	1975
1976	---	---	0.082	2.67	0.491	0.388	0.275	0.071	0.042	0.035	---	---	0.500	1976
1977	---	---	0.027	0.343	0.695	0.238	0.023	0.008	0.008	0.019	---	---	0.170	1977
1978	---	---	0.091	0.592	0.300	0.078	0.016	0.003	0.382	0.220	---	---	0.209	1978
1979	---	---	0.788	4.11	0.902	0.188	0.315	0.101	0.002	0.001	---	---	0.793	1979
1980	---	---	0.008	2.21	0.194	0.451	0.746	0.183	0.147	0.107	---	---	0.501	1980
1981	---	---	0.965	2.01	0.282	0.110	0.047	0.159	0.001	0.001	---	---	0.443	1981
1982	---	---	0	0.250	0.542	0.213	1.48	0.246	0.017	0.141	---	---	0.364	1982
MEAN	---	---	0.266	3.60	1.65	0.530	0.541	0.299	0.123	0.118	---	---	0.889	MEAN

LOCATION - LAT 52 42 28 N   DRAINAGE AREA, 3 500 km^2
LONG 111 18 36 W   NATURAL FLOW

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 E ON AUG 1 *	---	1964
1965	---	16.7 ON APR 18	0.057B ON MAR 1	29 200	1965
1966	---	3.09B ON APR 6	0 B ON MAR 1	8 940	1966
1967	---	1.25B ON APR 25	0 B ON MAR 1	5 030	1967
1968	---	3.48B ON MAR 1	0 ON JUL 12	12 100	1968
1969	---	19.2 ON APR 14	0 B ON MAR 1	24 200	1969
1970	8.24B AT 14:19 MST ON APR 14	7.93 ON APR 16	0 B ON MAR 1	15 000	1970
1971	15.8 AT 05:00 MST ON APR 21	15.7 ON APR 21	0.017 ON SEP 7	23 600	1971
1972	---	4.02B ON APR 14	0 B ON MAR 1	7 750	1972
1973	6.91 AT 15:10 MST ON AUG 15	6.85 ON AUG 15	0.003B ON MAR 1	28 700	1973
1974	68.0 AT 02:30 MST ON APR 23 *	67.7 ON APR 23 *	0.028 ON OCT 11	104 000	1974
1975	---	8.38A ON APR 26	0.003 ON SEP 29	16 300	1975
1976	7.42 AT 05:30 MST ON APR 11	7.16 ON APR 11	0.028 ON OCT 26	10 600	1976
1977	2.31B AT 08:00 MST ON APR 11	1.38 ON MAY 18	0.004 ON SEP 3	3 590	1977
1978	1.62 AT 01:00 MST ON SEP 26	1.42 ON SEP 26	0.003E ON AUG 10	4 410	1978
1979	10.0 B AT 14:20 MST ON APR 19	9.66B ON APR 19	0.001 ON SEP 9	16 800	1979
1980	10.6 B AT 07:05 MST ON APR 17	8.73B ON APR 17	0.003B ON MAR 1	10 600	1980
1981	4.47 AT 11:40 MST ON APR 3	4.10B ON APR 1	0.001 ON SEP 9	9 380	1981
1982	3.78 AT 22:31 MST ON JUL 13	3.71 ON JUL 14	0 B ON MAR 1	7 700	1982
				18 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

IRON CREEK NEAR VIKING - STATION NO. 05FB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0 R	0 R	0.006R	0.566R	0.021R	---	---	---	1978
1979	---	---	0.210	1.11	0.048	0	0	0	0	0	---	---	0.168	1979
1980	---	---	0	0.266	0.019	0.012	0.006	0.003	0	0	---	---	0.038	1980
1981	---	---	0.217	0.100	0	0	0.003	0	0	0	---	---	0.040	1981
1982	---	---	0	0.060	---	---	0.575	0.017	0.004	0.001	---	---	---	1982
MEAN	---	---	0.107	0.384	0.022	0.003R	0.117R	0.005R	0.114R	0.004R	---	---	0.082	MEAN

LOCATION - LAT 53 00 58 N DRAINAGE AREA, 121 km²
LONG 111 54 07 W NATURAL FLOW

R - REVISED SINCE JAN 1980

IRON CREEK NEAR VIKING - STATION NO. 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	2.93R AT 07:00 MST ON SEP 8 *	---	---	---	1978
1979	2.73B AT 17:50 MST ON APR 11	2.26 ON APR 19	0B ON MAR 1 *	3 560	1979
1980	1.24 AT 02:30 MST ON APR 14	1.06 ON APR 14	0B ON MAR 1	795	1980
1981	---	0.772B ON MAR 18	0B ON MAR 1	848	1981
1982	2.91 AT 10:52 MST ON JUL 5	2.79 ON JUL 5 *	0B ON MAR 1	---	1982
				1 730	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	0.001	0.008	0.158	0.078	0	0	0	---	---	---	1916
1917	---	---	---	1.21	0.080	0	0	0	---	---	---	---	---	1917
1918	---	---	---	---	0.003	0	---	---	---	---	---	---	---	1918
1919	---	---	0.010	0.040	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0.675	0.235	0.059	0.001	---	---	---	---	---	---	---	1920
1921	---	---	0.237	0.397	0.012	0	0	---	---	---	---	---	---	1921
1922	---	---	0.161	1.60	0.027	0	0	---	---	---	---	---	---	1922
1923	---	---	0.043	0.075	0	0.319	0.029	0	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.229	0.191	---	---	0	---	---	---	---	---	---	1925
1926	---	---	0.273	0.021	0	0	0	0	0	0	---	---	0.037	1926
1927	---	---	0.273	0.610	0.282	0.061	0.107	0.111	0.001	0	---	---	0.180	1927
1928	---	---	1.38	0.070	0	0	0.006	0	0	0	---	---	0.184	1928
1929	---	---	0.001	0.021	0.098	0.001	---	---	---	---	---	---	---	1929
1930	---	0.026	0.023	0	0	0	---	---	---	---	---	---	---	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0	0.459	0.005	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.013	0.236	0.329	0.041	0.039	0.022	0.016	0	0	---	---	0.100	MEAN

LOCATION - LAT 49 25 20 N DRAINAGE AREA, 202 km²
LONG 110 50 20 W REGULATED

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	3.82 ON APR 2	0 ON MAY 29 *	---	1917
1918	---	---	0 ON JUN 6	---	1918
1919	---	0.680 ON APR 1	0B ON MAR 1	---	1919
1920	---	3.00 B ON MAR 22	0B ON MAR 1	---	1920
1921	---	1.70 B ON APR 1	0B ON MAR 11	---	1921
1922	---	7.93 B ON APR 2	0 ON MAR 1	---	1922
1923	---	4.02 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	2.46 ON JUN 10	0B ON MAR 1	---	1925
1926	---	2.89 ON MAR 1	0B ON APR 1	784	1926
1927	---	3.82 ON MAR 28	0 ON MAR 1	3 810	1927
1928	---	10.3 ON MAR 21 *	0B ON MAR 1	3 900	1928
1929	---	0.600 ON MAY 1	0B ON MAR 1	---	1929
1930	---	0.261B ON MAR 26	0 ON APR 6	---	1930
1931	---	---	0 ON MAR 1	---	1931
1936	---	2.61 ON APR 19	0B ON MAR 1	---	1936
				2 120	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.095	1.25	2.08	0.277	0.130	0.220	0.038	0.111	---	---	0.526	1972
1973	---	---	0.164	1.01	1.38	1.18	0.813	0.664	0.678	1.20	---	---	0.886	1973
1974	---	---	0.251	4.74	9.80	2.23	0.400	0.073	0.046	0.034	---	---	2.19	1974
1975	---	---	0.087	1.20	3.20	2.29	2.92	1.06	0.396	0.086	---	---	1.41	1975
1976	---	---	0.184	0.860	0.201	0.227	1.49	0.721	0.151	0.062	---	---	0.488	1976
1977	---	---	0.0[illegible]8	0.398	0.433	0.168	0.346	0.304	0.294	0.213	---	---	0.271	1977
1978	---	---	0.235	1.06	1.73	1.48	0.481	0.122	0.106	0.054	---	---	0.656	1978
1979	---	---	0.066	0.650	1.18	0.727	0.524	0.194	0.140	0.079	---	---	0.444	1979
1980	---	---	0.094	0.67[illegible]	0.265	0.023	0.009	0.201	0.182	0.214	---	---	0.206	1980
1981	---	---	0.272	0.769	0.423	0.117	0.083	0.086	0.005	0.005	---	---	0.222	1981
1982	---	---	0	0.546	0.238	0.039	0.306	0.283	0.141	0.005	---	---	0.194	1982
MEAN	---	---	0.133	1.20	1.90	0.796	0.682	0.357	0.198	0.188	---	---	0.681	MEAN

LOCATION - LAT 54 26 30 N DRAINAGE AREA, 495 km²
LONG 110 41 10 W NATURAL FLOW

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	3.26 B ON APR 24	0.014E ON SEP 3	11 100	1972
1973	2.26B AT 06:30 MST ON APR 14	1.85 ON MAY 11	0.085B ON MAR 1	18 800	1973
1974	13.2 AT 06:00 MST ON MAY 3 *	13.1 ON MAY 3 *	0.009 ON OCT 22	46 400	1974
1975	---	4.11 ON JUL 7	0.042B ON MAR 1	29 800	1975
1976	2.32 AT 23:00 MST ON JUL 21	2.31 ON JUL 21	0.014B ON OCT 27	10 300	1976
1977	---	0.779B ON APR 20	0 B ON MAR 1 *	5 740	1977
1978	2.80B AT 09:00 MST ON APR 29	2.80 B ON APR 29	0.003 ON SEP 20	13 900	1978
1979	3.47B AT 12:00 MST ON MAY 2	2.47 B ON APR 20	0.022B ON MAR 14	9 380	1979
1980	2.85B AT 07:40 MST ON APR 22	1.65 B ON APR 22	0.001 ON MAY 27	4 370	1980
1981	1.60B AT 09:50 MST ON APR 19	1.16 B ON APR 19	0.001E ON SEP 15	4 680	1981
1982	---	2.30 B ON APR 23	0 B ON MAR 1	4 110	1982
				14 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	1982
MEAN	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	MEAN

LOCATION - LAT 55 40 25 N DRAINAGE AREA, 1 290 km²
LONG 111 06 00 W

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.217	0.389	0.766	---	---	---	1971
1972	---	---	0.001	0.701	18.4	2.09	4.01	0.717	0.148	0.343	---	---	3.34	1972
1973	---	---	0.009	2.36	4.47	11.1	15.0	12.7	3.06	1.93	---	---	6.34	1973
1974	---	---	0.031	12.0	10.8	3.07	5.10	1.65	0.959	0.856	---	---	4.28	1974
1975	---	---	0	2.70	4.57	4.14	2.87	5.45	10.6	1.99	---	---	4.02	1975
1976	---	---	0.012	8.60	2.65	4.63	8.47	3.62	1.37	2.13	---	---	3.92	1976
1977	---	---	0.001	2.38	4.72	7.15	2.57	0.237	0.196	0.633	---	---	2.22	1977
1978	---	---	0.002	1.91	5.83	3.42	0.820	0.188	4.17	5.80	---	---	2.76	1978
1979	---	---	0.002	1.46	15.5	10.6	2.26	1.53	2.52	1.15	---	---	4.38	1979
1980	---	---	0.001	1.45	0.331	1.16	1.08	1.26	0.901	0.553	---	---	0.838	1980
1981	---	---	0	1.60	4.58	0.578	0.109	0.011	0.001	0.247	---	---	0.893	1981
1982	---	---	0	0.465	3.19	0.249	0.021	0.097	0.152	0.045	---	---	0.530	1982
MEAN	---	---	0.005	3.24	6.82	4.38	3.85	2.31	2.04	1.37	---	---	3.05	MEAN

LOCATION - LAT 58 11 35 N DRAINAGE AREA, 562 km²
LONG 115 45 00 W NATURAL FLOW

IRON CREEK NEAR VIKING - STATION NO. 05FB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0 R	0 R	0.006R	0.566R	0.021R	---	---	---	1978
1979	---	---	0.210	1.11	0.048	0	0	0	0	0	---	---	0.168	1979
1980	---	---	0	0.266	0.019	0.012	0.006	0.003	0	0	---	---	0.038	1980
1981	---	---	0.217	0.100	0	0	0.003	0	0	0	---	---	0.040	1981
1982	---	---	0	0.060	---	---	0.575	0.017	0.004	0.001	---	---	---	1982
MEAN	---	---	0.107	0.384	0.022	0.003R	0.117R	0.005R	0.114R	0.004R	---	---	0.082	MEAN

LOCATION - LAT 53 00 58 N DRAINAGE AREA, 121 km²
LONG 111 54 07 W NATURAL FLOW

R - REVISED SINCE JAN 1980

IRON CREEK NEAR VIKING - STATION NO. 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	2.93R AT 07:00 MST ON SEP 8 *	---	---	---	1978
1979	2.73B AT 17:50 MST ON APR 11	2.26 ON APR 19	0B ON MAR 1 *	3 560	1979
1980	1.24 AT 02:30 MST ON APR 14	1.06 ON APR 14	0B ON MAR 1	795	1980
1981	---	0.772B ON MAR 18	0B ON MAR 1	848	1981
1982	2.91 AT 10:52 MST ON JUL 5	2.79 ON JUL 5 *	0B ON MAR 1	---	1982
				1 730	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	0.001	0.008	0.158	0.078	0	0	0	---	---	---	1916
1917	---	---	---	1.21	0.080	0	0	0	---	---	---	---	---	1917
1918	---	---	---	---	0.003	0	---	---	---	---	---	---	---	1918
1919	---	---	0.010	0.040	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0.675	0.235	0.059	0.001	---	---	---	---	---	---	---	1920
1921	---	---	0.237	0.397	0.012	0	0	---	---	---	---	---	---	1921
1922	---	---	0.161	1.60	0.027	0	0	---	---	---	---	---	---	1922
1923	---	---	0.043	0.075	0	0.319	0.029	0	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.229	0.191	---	---	0	---	---	---	---	---	---	1925
1926	--	---	0.273	0.021	0	0	0	0	0	0	--	---	0.037	1926
1927	---	---	0.273	0.610	0.282	0.061	0.107	0.111	0.001	0	---	---	0.180	1927
1928	---	---	1.38	0.070	0	0	0.006	0	0	0	---	---	0.184	1928
1929	---	---	0.001	0.021	0.098	0.001	---	---	---	---	---	---	---	1929
1930	---	0.026	0.023	0	0	0	---	---	---	---	---	---	---	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0	0.459	0.005	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.013	0.236	0.329	0.041	0.039	0.022	0.016	0	0	---	---	0.100	MEAN

LOCATION - LAT 49 25 20 N DRAINAGE AREA, 202 km²
LONG 110 50 20 W REGULATED

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	3.82 ON APR 2	0 ON MAY 29 *	---	1917
1918	---	---	0 ON JUN 6	---	1918
1919	---	0.680 ON APR 1	0B ON MAR 1	---	1919
1920	---	3.00 B ON MAR 22	0B ON MAR 1	---	1920
1921	---	1.70 B ON APR 1	0B ON MAR 11	---	1921
1922	---	7.93 B ON APR 2	0 ON MAR 1	---	1922
1923	---	4.02 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	2.46 ON JUN 10	0B ON MAR 1	---	1925
1926	---	2.89 ON MAR 1	0B ON APR 1	784	1926
1927	---	3.82 ON MAR 28	0 ON MAR 1	3 810	1927
1928	---	10.3 ON MAR 21 *	0B ON MAR 1	3 900	1928
1929	---	0.600 ON MAY 1	0B ON MAR 1	---	1929
1930	---	0.261B ON MAR 26	0 ON APR 6	---	1930
1931	---	---	0 ON MAR 1	---	1931
1936	---	2.61 ON APR 19	0B ON MAR 1	---	1936
				2 120	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.095	1.25	2.08	0.277	0.130	0.220	0.038	0.111	---	---	0.526	1972
1973	---	---	0.164	1.01	1.38	1.18	0.813	0.664	0.678	1.20	---	---	0.886	1973
1974	---	---	0.251	4.74	9.80	2.23	0.400	0.073	0.046	0.034	---	---	2.19	1974
1975	---	---	0.087	1.20	3.20	2.29	2.92	1.06	0.396	0.086	---	---	1.41	1975
1976	---	---	0.184	0.860	0.201	0.227	1.49	0.721	0.151	0.062	---	---	0.488	1976
1977	---	---	0.018	0.398	0.433	0.168	0.346	0.304	0.294	0.213	---	---	0.271	1977
1978	---	---	0.235	1.06	1.73	1.48	0.481	0.122	0.106	0.054	---	---	0.656	1978
1979	---	---	0.066	0.650	1.18	0.727	0.524	0.194	0.140	0.079	---	---	0.444	1979
1980	---	---	0.094	0.673	0.265	0.023	0.009	0.201	0.182	0.214	---	---	0.206	1980
1981	---	---	0.272	0.789	0.423	0.117	0.083	0.086	0.005	0.005	---	---	0.222	1981
1982	---	---	0	0.546	0.238	0.039	0.306	0.283	0.141	0.005	---	---	0.194	1982
MEAN	---	---	0.133	1.20	1.90	0.796	0.682	0.357	0.198	0.188	---	---	0.681	MEAN

LOCATION - LAT 54 26 30 N DRAINAGE AREA, 495 km^2
LONG 110 41 10 W NATURAL FLOW

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	3.26 B ON APR 24	0.014E ON SEP 3	11 100	1972
1973	2.26B AT 06:30 MST ON APR 14	1.85 ON MAY 11	0.085B ON MAR 1	18 800	1973
1974	13.2 AT 06:00 MST ON MAY 3 *	13.1 ON MAY 3 *	0.009 ON OCT 22	46 400	1974
1975	---	4.11 ON JUL 7	0.042B ON MAR 1	29 800	1975
1976	2.32 AT 23:00 MST ON JUL 21	2.31 ON JUL 21	0.014B ON OCT 27	10 300	1976
1977	---	0.779B ON APR 20	0 B ON MAR 1 *	5 740	1977
1978	2.80B AT 09:00 MST ON APR 29	2.80 B ON APR 29	0.003 ON SEP 20	13 900	1978
1979	3.47B AT 12:00 MST ON MAY 2	2.47 B ON APR 20	0.022B ON MAR 14	9 380	1979
1980	2.85B AT 07:40 MST ON APR 22	1.65 B ON APR 22	0.001 ON MAY 27	4 370	1980
1981	1.60B AT 09:50 MST ON APR 19	1.16 B ON APR 19	0.001E ON SEP 15	4 680	1981
1982	---	2.30 B ON APR 23	0 B ON MAR 1	4 110	1982
				14 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	1982
MEAN	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	MEAN

LOCATION - LAT 55 40 25 N DRAINAGE AREA, 1 290 km^2
LONG 111 06 00 W

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.217	0.389	0.766	---	---	---	1971
1972	---	---	0.001	0.701	18.4	2.09	4.01	0.717	0.148	0.343	---	---	3.34	1972
1973	---	---	0.009	2.36	4.47	11.1	15.0	12.7	3.06	1.93	---	---	6.34	1973
1974	---	---	0.031	12.0	10.8	3.07	5.10	1.65	0.959	0.856	---	---	4.28	1974
1975	---	---	0	2.70	4.57	4.14	2.87	5.45	10.6	1.99	---	---	4.02	1975
1976	---	---	0.012	8.60	2.65	4.63	8.47	3.62	1.37	2.13	---	---	3.92	1976
1977	---	---	0.001	2.38	4.72	7.15	2.57	0.237	0.196	0.633	---	---	2.22	1977
1978	---	---	0.002	1.91	5.83	3.42	0.820	0.188	4.17	5.80	---	---	2.76	1978
1979	---	---	0.002	1.46	15.5	10.6	2.26	1.53	2.52	1.15	---	---	4.38	1979
1980	---	---	0.001	1.45	0.331	1.16	1.08	1.26	0.901	0.553	---	---	0.838	1980
1981	---	---	0	1.60	4.58	0.578	0.109	0.011	0.001	0.247	---	---	0.893	1981
1982	---	---	0	0.465	3.19	0.249	0.021	0.097	0.152	0.045	---	---	0.530	1982
MEAN	---	---	0.005	3.24	6.82	4.38	3.85	2.31	2.04	1.37	---	---	3.05	MEAN

LOCATION - LAT 58 11 35 N DRAINAGE AREA, 562 km^2
LONG 115 45 00 W NATURAL FLOW

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	34.8 AT 09:30 MST ON MAY 5	34.3 ON MAY 5	0 B ON MAR 12 *	70 600	1972
1973	42.8 AT 22:00 MST ON JUL 28 *	42.2 ON JUL 29 *	0 B ON MAR 1	134 000	1973
1974	36.2 AT 19:00 MST ON APR 23	36.0 ON APR 23	0.028B ON MAR 17	90 700	1974
1975	33.7 AT 03:00 MST ON SEP 3	33.4 ON SEP 3	0 B ON MAR 1	85 000	1975
1976	23.6 AT 01:00 MST ON JUL 2	22.4 ON JUL 2	0.010B ON MAR 1	83 100	1976
1977	13.6 AT 02:30 MST ON JUN 10	13.3 ON JUN 10	0 B ON MAR 18	47 000	1977
1978	10.1 AT 00:30 MST ON MAY 30	9.88 ON MAY 29	0 B ON MAR 19	58 400	1978
1979	28.5 B AT 13:30 MST ON MAY 2	26.5 B ON MAY 2	0 B ON APR 1	92 700	1979
1980	4.71 AT 04:30 MST ON JUL 30	4.57 ON JUL 30	0 B ON MAR 1	17 700	1980
1981	10.0 B AT 00:30 MST ON MAY 1	9.07 ON MAY 5	0 B ON MAR 1	18 900	1981
1982	6.27 AT 12:00 MST ON MAY 2	6.16 ON MAY 5	0 B ON MAR 1	11 200	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		64 500	MEAN

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	2.26	3.57	7.49	6.28	13.2	10.2	3.62	2.96	---	---	6.22	1966
1967	---	---	1.37	1.97	17.0	18.6	4.57	2.06	1.20	1.24	---	---	5.99	1967
1968	---	---	1.20	2.02	4.85	6.19	5.22	6.09	3.01	4.55	---	---	4.14	1968
1969	---	---	1.31	5.69	9.34	12.9	30.2	4.91	2.47	2.24	1.48	1.03	8.65	1969
1970	0.577	0.724	0.804	2.87	9.12	18.6	---	---	---	1.90	1.06	0.796	---	1970
1971	0.835	1.04	0.808	7.06	5.61	10.8	3.86	1.53	1.27	1.27	0.709	0.462	4.00	1971
1972	0.517	0.435	1.06	3.30	6.47	22.1	14.8	5.41	4.15	3.03	---	---	7.50	1972
1973	---	---	1.42	6.25	21.7	16.1	5.57	2.44	2.53	3.00	---	---	7.36	1973
1974	---	---	1.21	6.90	18.7	11.2	3.93	2.04	2.03	3.22	---	---	6.15	1974
1975	---	---	0.660	3.21	4.77	3.48	3.07	2.56	---	1.59	---	---	---	1975
1976	---	---	---	3.19	3.11	4.08	2.70	7.28	2.94	1.46	---	---	---	1976
1977	---	---	---	2.17	11.5	6.06	2.35	3.49	4.40	3.21	---	---	---	1977
1978	---	---	1.38	5.43	9.80	14.3	6.85	6.07	6.55	2.88	---	---	6.64	1978
1979	---	---	1.69	3.29	7.04	5.34	2.70	2.28	1.55	1.34	---	---	3.15	1979
1980	---	---	0.840	4.56	3.85	12.2	6.74	3.80	3.28	2.15	---	---	4.65	1980
1981	---	---	1.02	1.56	18.9	10.5	24.6	15.4	4.02	3.07	---	---	9.95	1981
1982	---	---	0.711	2.62	6.59	8.09	15.6	5.08	3.36	3.14	---	---	5.67	1982
MEAN	0.643	0.733	1.18	3.86	9.76	11.0	9.12	5.04	3.09	2.49	1.08	0.763	6.16	MEAN

LOCATION - LAT 51 55 37 N, LONG 114 41 04 W — DRAINAGE AREA, 821 km^2 — NATURAL FLOW

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	51.5 AT 23:00 MST ON JUL 3	43.0 ON JUL 4	1.16 B ON MAR 1	132 000	1966
1967	76.2 AT 11:45 MST ON MAY 31	61.2 ON MAY 31	0.864B ON APR 11	127 000	1967
1968	15.3 AT 01:44 MST ON JUL 21	13.1 ON JUN 9	0.708B ON MAR 11	87 700	1968
1969	114 AT 03:37 MST ON JUL 5	103 ON JUL 4	1.02 B ON MAR 1	183 000	1969
1970	151 AT 18:10 MST ON JUN 16	115 ON JUN 16	0.765B ON MAR 1	---	1970
1971	40.8 AT 21:00 MST ON JUN 6	34.0 ON JUN 7	0.708 ON OCT 27	84 500	1971
1972	215 E ON JUN 25 *	194 E ON JUN 25 *	0.374B ON MAR 16 *	159 000	1972
1973	63.7 AT 16:00 MST ON MAY 27	62.3 ON MAY 27	1.05 B ON MAR 26	156 000	1973
1974	40.2 AT 03:00 MST ON APR 29	31.7 ON APR 29	0.748B ON APR 6	130 000	1974
1975	9.63 AT 03:30 MST ON MAY 9	9.15 ON MAY 9	0.510B ON MAR 1	---	1975
1976	19.4 AT 20:30 MST ON AUG 9	16.6 ON AUG 10	---	---	1976
1977	21.8 AT 06:30 MST ON MAY 16	19.6 ON MAY 16	---	---	1977
1978	26.0 AT 22:30 MST ON JUN 6	22.7 ON MAY 31	0.750B ON MAR 19	141 000	1978
1979	21.7 AT 02:00 MST ON JUN 21	18.6 ON JUN 21	0.481B ON MAR 22	66 700	1979
1980	33.3 AT 11:00 MST ON JUN 5	31.3 ON JUN 5	0.692B ON MAR 8	98 500	1980
1981	178 AT 20:20 MST ON JUL 30	109 ON JUL 30	0.660B ON APR 5	211 000	1981
1982	64.4 A ON JUL 5	48.2 ON JUL 5	0.538B ON MAR 5	120 000	1982
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	130 000	MEAN

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.29	1.34	0.959	---	---	---	1973
1974	---	---	---	---	1.18	---	6.36	3.13	1.38	0.753	---	---	---	1974
1975	---	---	---	---	1.41	5.05	5.10	2.45	1.40	0.757	---	---	2.69	1975
1976	---	---	---	---	4.29	6.87	7.34	5.12	3.52	1.21	---	---	4.72	1976
1977	---	---	---	---	2.77	6.04	3.12	2.58	1.70	0.842	---	---	2.83	1977
1978	---	---	---	---	1.79	7.60	5.57	2.14	1.86	1.29	---	---	3.36	1978
1979	---	---	---	---	1.73	5.85	4.07	1.69	1.09	0.738	---	---	2.52	1979
1980	---	---	---	---	6.58	6.19	2.71	1.64	1.53	0.821	---	---	3.24	1980
1981	---	---	---	---	5.63	5.48	6.90	3.11	1.47	0.955	---	---	3.93	1981
1982	---	---	---	---	1.72	9.11	4.43	1.90	1.71	0.967	---	---	3.28	1982
MEAN	---	---	---	---	3.01	6.52	5.07	2.61	1.70	0.929	---	---	3.32	MEAN

LOCATION - LAT 51 14 40 N DRAINAGE AREA, 124 km²
LONG 115 50 30 W NATURAL FLOW

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	-	---	---	1974
1975	10.5 AT 21:00 MST ON JUL 4	9.09 ON JUL 4	0.368E ON MAY 1	42 800	1975
1976	14.2 AT 23:30 MST ON JUN 30	12.2 ON JUL 1	0.745B ON OCT 23	75 000	1976
1977	16.1 AT 20:30 MST ON JUN 7	14.6 ON JUN 8	0.654 ON OCT 30	45 000	1977
1978	14.4 AT 21:30 MST ON JUN 5	11.1 ON JUN 6	0.773 ON MAY 8	53 400	1978
1979	10.6 AT 21:30 MST ON JUN 12	8.75 ON JUN 12	0.560E ON MAY 1	40 100	1979
1980	14.2 AT 21:10 MST ON JUN 16	9.67 ON MAY 21	0.401A ON OCT 31	51 400	1980
1981	35.6 AT 03:00 MST ON MAY 26 *	29.4 ON MAY 26 *	0.772A ON OCT 27	62 500	1981
1982	24.2 AT 21:15 MST ON JUN 14	15.9 ON JUN 14	0.257E ON MAY 13 *	52 200	1982
MEAN				52 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.22	1.45	0.733	0.294	0.093	---	1975
1976	0.045	0.020	0.012	4.56	0.654	---	---	0.360	0.255	0.529	0.144	0.009	---	1976
1977	0.012	0.024	0.021	0.549	0.460	0.289	0.766	0.251	0.234	0.381	0.081	0.024	0.369	1977
1978	0.012	0.004	0.002	2.33	3.16	0.739	0.164	0.179	3.02	1.01	0.331	0.053	1.32	1978
1979	0.015	0.006	0.007	1.04	6.45	0.909	0.125	0.200	0.443	0.283	0.187	0.045	1.19	1979
1980	0.037	0.039	0.037	0.619	0.249	0.167	0.342	0.714	0.493	0.290	0.134	0.004	0.363	1980
1981	0.004	0.003	0.003	0.676	1.90	0.425	0.355	0.047	0.002	0.134	---	---	0.443	1981
1982	---	---	0.002	0.608	2.53	0.222	0.057	0.112	0.077	0.135	---	---	0.470	1982
MEAN	0.021	0.016	0.012	1.48	2.20	0.459	0.302	0.385	0.747	0.437	0.195	0.038	0.693	MEAN

LOCATION - LAT 57 16 27 N DRAINAGE AREA, 257 km²
LONG 111 44 30 W NATURAL FLOW

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	16.4 AT 01:10 MST ON APR 14 *	14.4 ON APR 14 *	0.003B ON MAR 3	---	1976
1977	2.29 AT 16:10 MST ON JUL 4	1.83 ON JUL 5	0.007B ON APR 3	7 810	1977
1978	---	11.9 E ON APR 29	0 B ON MAR 3 *	27 900	1978
1979	12.2 AT 15:15 MST ON MAY 10	11.6 ON MAY 11	0.001B ON MAR 1	25 200	1979
1980	2.74 AT 21:30 MST ON AUG 5	2.03 ON AUG 6	0.002 ON JUL 4	7 680	1980
1981	5.62 AT 03:35 MST ON MAY 1	5.16 ON MAY 1	0.002B ON MAR 1	9 380	1981
1982	9.32 AT 16:47 MST ON MAY 1	8.34B ON MAY 1	0.002B ON MAR 1	9 960	1982
MEAN				14 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 22 N DRAINAGE AREA, 240 km²
LONG 114 36 59 W NATURAL FLOW

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	8.78 ON JUN 25 *	---	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.890	0.239	0.127	---	---	---	1976
1977	---	---	---	---	0.583	0.337	0.150	0.259	0.254	0.235	---	---	0.303	1977
1978	---	---	---	---	1.01	1.21	0.695	0.329	0.253	0.154	---	---	0.606	1978
1979	---	---	---	---	0.971	0.627	0.231	0.119	0.079	0.058	---	---	0.348	1979
1980	---	---	---	---	0.857	1.53	0.191	0.169	0.247	0.176	---	---	0.524	1980
1981	---	---	---	---	2.60	2.24	0.963	0.677	0.136	0.080	---	---	1.12	1981
1982	---	---	---	---	0.349	1.62	0.417	0.121	0.085	0.087	---	---	0.442	1982
MEAN	---	---	---	---	1.06	1.26	0.441	0.366	0.185	0.131	---	---	0.557	MEAN

LOCATION - LAT 51 00 09 N, LONG 114 56 14 W

DRAINAGE AREA, 36.0 km^2

NATURAL FLOW

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.53 AT 02:30 MST ON MAY 24	1.40 ON MAY 24	0.091 ON AUG 1	4 820	1977
1978	2.35 AT 19:30 MST ON MAY 21	1.91 ON JUN 6	0.127 ON OCT 28	9 640	1978
1979	3.77 AT 18:00 MST ON MAY 24	3.03 ON MAY 24	0.032B ON OCT 29 *	5 530	1979
1980	7.28 AT 05:00 MST ON JUN 3	6.76 ON JUN 3	0.119 ON JUL 28	8 330	1980
1981	12.3 AT 18:00 MST ON MAY 21 *	9.78 ON JUN 1 *	0.052 ON OCT 23	17 700	1981
1982	3.86 AT 20:38 MST ON JUN 5	3.43 ON JUN 5	0.065B ON OCT 31	7 020	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 840	MEAN

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	11.8	2.88	1.40	0.813	---	---	---	---	1908
1909	---	---	---	---	6.31	5.34	3.44	1.75	0.699	0.566	---	---	---	1909
1910	---	---	---	---	0.634	1.15	0.186	0.252	1.81	0.466	---	---	---	1910
1911	---	---	---	---	3.60	6.13	5.82	10.1	5.20	---	---	---	---	1911
1912	---	---	---	---	4.98	5.99	20.0	6.30	4.10	2.96	---	---	---	1912
1913	---	---	---	---	4.07	6.27	3.36	3.78	1.47	0.746	---	---	---	1913
1914	---	---	---	---	1.62	1.99	1.14	0.523	0.330	0.737	---	---	---	1914
1915	---	---	---	0.787	9.68	29.5	27.4	6.81	3.90	3.66	---	---	---	1915
1916	---	---	---	---	10.6	43.7	8.43	13.7	21.9	4.20	---	---	---	1916
1917	---	---	---	---	16.0	25.8	2.10	1.50	1.56	1.04	---	---	---	1917
1918	---	---	---	---	2.88	3.91	1.27	1.01	0.836	0.664	---	---	---	1918
1919	---	---	---	---	1.80	1.02	0.480	3.28	0.668	0.560	---	---	---	1919
1933	---	---	---	---	---	2.76	1.41	1.23	---	---	---	---	---	1933
MEAN	---	---	---	0.787	5.65	11.2	5.99	3.97	3.61	1.56	---	---	---	MEAN

LOCATION - LAT 51 04 08 N, LONG 114 32 47 W

DRAINAGE AREA, 455 km^2

NATURAL FLOW

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	34.0 ON AUG 8 *	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	12.9 ON APR 6	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1933	---	---	---	---	1933
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	5.75	5.56	4.41	---	---	---	1965
1966	---	---	0.382	0.799	4.17	5.04	3.90	1.55	0.621	0.662	---	---	---	1966
1967	---	---	0.277	2.91	9.62	12.6	1.71	0.692	0.273	0.260	---	---	---	1967
1968	---	---	0.204	1.01	1.83	5.49	1.52	1.03	1.65	2.56	---	---	---	1968
1969	---	---	2.11	3.94	10.4	14.2	16.2	2.06	0.888	0.842	---	---	---	1969
1970	---	---	0.226	2.34	4.17	11.1	2.93	0.528	0.308	0.296	0.290	0.129	---	1970
1971	0.089	0.372	0.288	3.24	4.30	7.61	1.18	0.359	0.328	0.393	0.313	0.034	1.54	1971
1972	0.008	0.001	1.90	1.90	4.68	4.47	2.58	0.948	0.831	0.721	0.514	0.241	1.57	1972
1973	0.323	0.270	0.738	2.06	7.85	7.02	1.40	0.613	0.893	0.577	0.271	0.283	1.86	1973
1974	0.064	0.190	0.259	3.35	11.0	7.40	1.45	1.10	0.671	0.645	0.313	0.194	2.23	1974
1975	0.114	0.087	0.131	1.77	3.17	2.57	1.10	0.704	0.404	0.362	0.171	0.171	0.900	1975
1976	0.157	0.212	0.233	1.00	2.81	1.43	0.647	2.91	0.864	0.508	0.268	0.196	0.941	1976
1977	0.186	0.215	0.267	0.653	1.92	0.831	0.415	0.637	0.738	0.738	0.357	0.170	0.596	1977
1978	0.117	0.190	1.75	1.76	4.64	4.43	3.33	1.98	1.84	0.903	0.683	0.298	1.84	1978
1979	0.027	0.027	1.22	2.36	4.67	2.10	0.705	0.469	0.260	0.289	0.250	0.155	1.05	1979
1980	0.031	0.019	0.025	1.87	2.60	6.62	0.797	0.614	0.883	0.652	0.543	0.601	1.26	1980
1981	0.320	0.159	0.419	0.426	12.2	10.5	4.95	4.10	1.01	0.720	0.431	0.162	2.97	1981
1982	0.005	0	0.070	1.65	1.45	5.73	2.31	0.460	0.468	0.446	0.227	0.118	1.08	1982
MEAN	0.120	0.145	0.618	1.94	5.38	6.42	2.77	1.47	1.03	0.888	0.356	0.212	1.49	MEAN

LOCATION - LAT 51 09 16 N LONG 114 31 42 W DRAINAGE AREA, 571 km^2 NATURAL FLOW

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	28.3 AT 18:00 MST ON JUL 3	21.2 ON JUL 3	---	---	1966
1967	115 AT 06:05 MST ON MAY 31	98.0 ON MAY 31	---	---	1967
1968	23.6 AT 01:06 MST ON JUN 9	20.2 ON JUN 9	---	---	1968
1969	138 AT 15:24 MST ON JUN 29 *	99.7 ON JUN 29 *	---	---	1969
1970	91.5 AT 12:50 MST ON JUN 14	71.9 ON JUN 14	---	---	1970
1971	40.2 AT 21:00 MST ON JUN 6	30.3 ON JUN 7	0 B ON DEC 20 *	48 400	1971
1972	14.6 AT 04:00 MST ON JUN 25	13.5 ON JUN 25	0 B ON JAN 1	49 600	1972
1973	32.8 AT 06:00 MST ON MAY 27	30.0 ON MAY 27	0.113B ON DEC 31	58 700	1973
1974	18.1 AT 11:30 MST ON MAY 27	17.5 ON MAY 27	0.007B ON JAN 17	70 300	1974
1975	8.47 AT 07:00 MST ON JUN 21	8.21 ON JUN 21	0.012B ON FEB 3	28 400	1975
1976	8.98 AT 01:30 MST ON AUG 10	8.07 ON AUG 10	0.057B ON JAN 5	29 800	1976
1977	4.45 AT 16:30 MST ON MAY 16	3.88 ON MAY 16	0.028B ON DEC 9	18 800	1977
1978	11.3 AT 07:40 MST ON MAY 17	10.4 ON JUL 19	0.031B ON DEC 29	57 900	1978
1979	7.42 AT 15:00 MST ON MAY 25	7.10 ON MAY 25	0 B ON JAN 16	33 100	1979
1980	24.7 AT 05:00 MST ON JUN 4	22.7 ON JUN 4	0 B ON JAN 10	40 000	1980
1981	43.5 AT 12:45 MST ON JUN 1	38.2 ON MAY 22	0.050B ON FEB 12	93 700	1981
1982	12.4 AT 21:02 MST ON JUN 28	9.77 ON JUN 29	0 B ON JAN 5	34 000	1982
				46 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	15.1	11.2	---	---	---	1975
1976	---	---	---	---	---	---	87.4	99.7	50.9	21.6	---	---	---	1976
1977	---	---	---	---	126	132	99.6	52.9	48.4	47.8	---	---	82.8	1977
1978	---	---	---	---	66.9	102	68.0	26.4	43.5	28.2	---	---	55.7	1978
1979	---	---	---	---	89.6	155	79.1	22.8	13.3	11.7	---	---	61.7	1979
1980	---	---	---	---	74.0	196	46.5	25.9	36.9	25.8	---	---	67.0	1980
1981	---	---	---	---	100	67.1	44.8	25.6	11.2	8.05	---	---	42.9	1981
1982	---	---	---	---	92.6	150	215	89.9	46.3	25.5	---	---	103	1982
MEAN	---	---	---	---	91.5	132	91.5	49.0	33.2	22.5	---	---	68.9	MEAN

LOCATION - LAT 54 22 20 N   DRAINAGE AREA, 3 300 km²
LONG 118 35 40 W   NATURAL FLOW

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	276E ON JUN 27	275E ON JUN 27	---	---	1976
1977	368 AT 05:00 MST ON MAY 6	309 ON MAY 6	30.6 ON SEP 24	1 320 000	1977
1978	292 AT 21:00 MST ON JUL 11	220 ON JUN 23	17.9 ON AUG 31	885 000	1978
1979	317 AT 10:30 MST ON MAY 27	275 ON MAY 27	10.2 ON OCT 26	981 000	1979
1980	736 AT 21:30 MST ON JUN 4	683 ON JUN 4	14.0 E ON AUG 5	1 070 000	1980
1981	226 AT 19:30 MST ON MAY 26	205 ON MAY 27	7.05 ON OCT 23 *	682 000	1981
1982	2 700 AT 21:00 MST ON JUL 15 *	1 680A ON JUL 15 *	17.5 E ON OCT 29	1 640 000	1982
MEAN				1 100 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	11.9	11.8	6.89	2.13	---	---	---	1931
1932	---	---	---	0.042	4.00	15.2	12.9	11.2	7.83	2.72	0.999	0.028	---	1932
1933	2.76	0.499	0.028	0.069	6.61	11.6	15.6	7.95	4.96	1.19	1.01	4.18	4.74	1933
1934	4.04	4.44	0.864	0.967	3.31	11.0	11.4	11.0	8.84	0.814	1.98	3.91	5.22	1934
1935	1.48	0.598	0.445	0.428	---	---	---	---	---	---	---	---	---	1935
MEAN	2.76	1.85	0.446	0.377	4.64	12.6	13.0	10.4	7.13	1.71	1.33	2.71	4.98	MEAN

LOCATION - LAT 50 37 20 N   DRAINAGE AREA, 151 km²   DATA CONTRIBUTED BY -
LONG 115 07 30 W   REGULATED   TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	17.8 ON JUN 18	---	---	1932
1933	---	22.0 ON MAY 15 *	0.028 ON JAN 1 *	149 000	1933
1934	---	15.5E ON SEP 2	0.178 ON OCT 29	164 000	1934
1935	---	---	---	---	1935
MEAN				157 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	17.9	14.8	9.63	3.03	---	---	---	1931
1932	---	---	---	---	---	29.8	21.0	17.2	11.6	4.87	2.29	1.38	---	1932
1933	3.77	1.31	0.699	0.955	10.9	27.8	26.7	14.5	8.04	3.37	2.20	5.09	8.83	1933
1934	4.64	5.39	1.72	3.52	14.3	19.9	17.8	15.4	11.7	2.58	2.77	5.24	8.76	1934
1935	2.37	1.26	0.891	0.870	3.12	16.7	22.0	12.7	3.33	3.46	4.32	8.37	6.66	1935
1936	5.36	4.92	0.939	1.03	8.19	17.2	19.1	12.2	3.15	2.33	5.97	9.20	7.49	1936
1937	7.35	2.08	0.788	1.01	4.56	10.2	19.6	15.7	5.80	3.13	4.09	1.98	6.40	1937
1938	1.87	1.47	3.11	2.37	9.51	30.8	23.5	12.2	5.78	5.29	2.76	6.69	8.82	1938
1939	3.92	8.29	3.76	1.50	6.00	9.11	14.3	14.6	9.64	3.50	3.13	5.10	6.91	1939
1940	6.90	9.08	5.20	1.14	8.24	11.8	12.8	14.1	14.0	5.56	8.61	7.72	8.76	1940
1941	5.49	4.15	---	---	4.04	7.99	12.0	12.0	7.58	4.41	3.08	---	---	1941
1942	---	---	---	1.70	7.54	11.2	11.1	5.96	---	---	---	---	---	1942
1943	---	---	---	---	3.27	8.50	11.2	4.96	2.22	---	---	---	---	1943
1944	9.98	8.83	7.71	4.47	4.29	6.91	5.26	4.57	2.75	1.44	4.86	10.7	5.98	1944
1945	9.34	8.28	6.91	4.29	2.87	10.6	7.86	4.19	2.53	1.83	9.90	10.4	6.56	1945
1946	8.84	7.63	6.84	4.79	8.39	12.5	8.08	4.56	3.84	4.12	11.2	12.3	7.76	1946
1947	10.7	9.28	7.72	5.21	8.43	13.8	9.64	4.39	7.90	7.76	11.3	11.6	8.97	1947
1948	10.3	9.11	7.31	5.56	11.3	16.5	8.40	6.61	5.09	5.77	9.13	11.6	8.89	1948
1949	10.3	9.19	7.58	4.79	5.24	6.13	4.75	4.18	2.20	2.16	9.80	9.12	6.27	1949
1950	8.13	6.84	4.02	4.73	3.24	13.6	8.96	3.96	2.97	6.40	11.5	10.6	7.07	1950
1951	9.77	8.38	6.73	3.99	7.67	11.4	14.1	5.45	7.08	7.11	12.2	12.1	8.85	1951
1952	10.7	8.93	7.20	5.99	6.11	8.60	6.95	4.23	2.52	1.50	10.8	11.7	7.09	1952
1953	10.5	8.27	6.82	5.19	3.13	11.9	9.85	4.16	2.44	1.62	9.86	11.7	7.11	1953
1954	10.8	9.06	7.71	6.59	6.35	13.5	13.7	5.92	5.18	5.43	13.2	13.3	9.23	1954
1955	11.3	9.66	6.44	0.873	1.37	9.32	---	---	---	---	---	---	---	1955
1975	12.9	13.8	17.3	0.558	0.185	0.492	2.63	1.55	5.78	2.12	7.23	12.1	6.35	1975
1976	16.5	19.6	15.2	0.653	1.11	3.02	0.902	10.2	10.4	5.45	8.27	9.06	8.33	1976
1977	13.3	12.5	7.19	6.27	1.12	1.01	0.272	0.337	0.186	6.63	16.4	8.74	6.11	1977
1978	8.15	14.0	15.2	1.95	0.374	0.715	2.95	6.35	6.52	7.22	9.04	11.6	6.97	1978
1979	11.0	13.3	10.4	9.16	1.06	0.050	0.388	1.82	10.8	3.90	5.08	7.52	6.15	1979
1980	9.24	12.8	12.5	5.59	1.46	9.67	3.05	3.00	3.90	9.20	15.2	14.2	8.29	1980
1981	17.7	11.3	0.093	0.183	0.353	5.25	6.38	11.5	7.88	9.12	14.2	10.9	7.89	1981
1982	10.2	13.9	12.8	8.77	0.388	2.03	2.94	0.891	1.49	3.41	8.75	12.6	6.46	1982
MEAN	9.01	8.71	6.81	3.58	4.97	11.2	10.8	7.94	5.93	4.46	8.18	9.38	7.52	MEAN

LOCATION - LAT 50 42 00 N
LONG 115 07 05 W

DRAINAGE AREA, 362 km²
REGULATED SINCE 1932

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	43.6E ON JUN 2	---	---	1932
1933	---	46.2 ON JUN 16 *	0.595 ON FEB 14	278 000	1933
1934	---	28.9 ON MAY 30	1.12 B ON NOV 23	276 000	1934
1935	---	24.7 ON JUL 25	0.793 ON APR 28	210 000	1935
1936	---	26.6 ON JUN 2	0.765 ON APR 1	237 000	1936
1937	---	22.9E ON JUL 16	0.708B ON MAR 27	202 000	1937
1938	---	38.2 ON JUN 22	1.02 B ON MAR 5	278 000	1938
1939	---	16.7 ON JUL 31	1.39 ON APR 27	218 000	1939
1940	---	22.7E ON SEP 6	1.05 ON APR 28	277 000	1940
1941	---	17.5 ON JUL 20	---	---	1941
1942	---	22.6 ON JUN 8	---	---	1942
1943	---	17.7 ON JUL 9	---	---	1943
1944	---	11.8 ON NOV 23	0.481 ON NOV 13	189 000	1944
1945	---	22.0 ON JUN 22	1.53 ON MAY 22	207 000	1945
1946	---	24.5 ON MAY 29	2.18 ON OCT 30	245 000	1946
1947	---	19.3 ON JUN 3	2.69 ON MAY 1	283 000	1947
1948	---	45.0 ON MAY 24	3.09 ON MAY 12	281 000	1948
1949	---	11.2 ON JAN 3	1.12 ON OCT 27	198 000	1949
1950	---	28.6 ON JUN 15	1.81 ON SEP 18	223 000	1950
1951	---	23.7 ON JUN 15	2.52 ON APR 30	279 000	1951
1952	---	13.3 ON JUN 5	1.16 ON NOV 1	224 000	1952
1953	---	23.4 ON JUN 13	1.41 ON OCT 25	224 000	1953
1954	---	21.2 ON JUL 2	2.15 ON MAY 15	291 000	1954
1955	---	26.7 ON JUN 13	---	---	1955
1975	---	27.2 ON JUL 4	0.028 ON APR 5 *	200 000	1975
1976	---	29.4 ON JAN 7	0.057 ON APR 3	263 000	1976
1977	30.0 ON DEC 30	29.4 ON NOV 20	0.028 ON JAN 25	193 000	1977
1978	32.3 AT 13:00 MST ON OCT 12	19.8 ON FEB 25	0.028 ON JAN 11	220 000	1978
1979	---	17.6 ON FEB 22	0.028 ON APR 29	194 000	1979
1980	---	20.1 ON NOV 18	0.028 ON APR 13	262 000	1980
1981	34.5 AT 15:25 MST ON NOV 24	23.9 ON JAN 31	0.073 ON MAR 17	249 000	1981
1982	40.5 AT 09:39 MST ON OCT 26 *	20.2 ON JAN 21	0.028 ON APR 20	204 000	1982
MEAN				237 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	3.32	2.17	5.09	---	1933
1934	4.68	5.31	1.64	3.38	14.4	19.9	17.9	15.2	11.7	2.55	2.71	---	---	1934
1935	---	---	---	---	3.20	16.9	---	---	---	---	---	---	---	1935
MEAN	4.68	5.31	1.64	3.38	8.80	18.4	17.9	15.2	11.7	2.94	2.44	5.09	---	MEAN

LOCATION - LAT 50 42 00 N DRAINAGE AREA, 367 km²
LONG 115 08 00 W REGULATED

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	29.7 ON MAY 30 *	0.994 ON MAR 24 *	---	1934
1935	---	---	---	---	1935
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO. 05BF010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	13.9	12.2	7.96	3.67	1.44	0.363	---	1932
1933	2.95	0.831	0.206	0.231	6.99	13.6	16.1	8.37	5.24	1.43	1.06	4.14	5.13	1933
1934	3.84	4.41	1.08	1.57	5.71	11.5	11.4	11.2	9.03	1.08	1.58	4.24	5.55	1934
1935	1.62	0.607	0.434	0.434	0.835	6.50	13.2	7.91	0.912	2.28	3.40	7.36	3.83	1935
1936	4.92	4.44	0.527	0.502	3.85	8.88	12.6	7.97	0.865	1.11	4.62	8.25	4.90	1936
1937	6.20	1.65	0.440	0.516	1.83	2.13	11.9	11.0	2.76	1.39	2.57	1.10	3.65	1937
1938	0.905	0.870	2.90	2.08	6.22	18.6	16.7	8.35	3.41	4.00	1.37	6.16	6.00	1938
1939	3.37	7.67	2.85	0.721	1.92	2.71	6.82	10.4	6.47	1.54	1.63	3.81	4.15	1939
1940	5.85	7.90	4.09	0.745	2.84	3.83	6.44	9.85	9.28	3.70	7.50	6.87	5.73	1940
1941	5.09	---	---	---	1.67	2.08	7.40	8.68	4.72	2.51	2.10	---	---	1941
1942	---	---	---	1.05	2.25	2.77	1.69	0.821	---	---	---	---	---	1942
1943	---	---	---	---	1.01	1.98	1.78	0.433	0.203	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	0.165	3.40	8.18	---	1944
1945	7.58	6.88	6.03	3.72	1.27	3.87	1.64	0.473	0.313	0.266	7.10	7.91	3.90	1945
1946	7.17	6.72	6.46	4.68	3.33	2.63	1.21	0.537	0.739	2.96	10.0	11.1	4.78	1946
1947	9.97	8.84	7.69	5.05	2.46	2.69	1.20	0.566	4.64	6.07	10.2	10.9	5.84	1947
1948	9.33	---	---	---	---	---	---	---	---	---	---	---	---	1948
MEAN	5.29	4.62	2.97	1.77	3.01	5.98	8.27	6.58	4.04	2.30	4.14	6.18	4.86	MEAN

LOCATION - LAT 50 40 30 N DRAINAGE AREA, 208 km²
LONG 115 08 10 W REGULATED

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO. 05BF010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	17.7 ON JUN 23	0.187 ON MAR 21 *	162 000	1933
1934	---	14.5 ON SEP 3	0.294 ON NOV 5	175 000	1934
1935	---	16.3 ON JUL 29	0.255 ON MAY 4	121 000	1935
1936	---	14.9 ON AUG 2	0.396 ON APR 1	155 000	1936
1937	---	14.6 ON JUL 16	0.368B ON MAR 27	115 000	1937
1938	---	23.8 ON MAY 30 *	0.850 ON FEB 21	189 000	1938
1939	---	11.2 ON FEB 20	0.476 ON APR 28	131 000	1939
1940	---	12.5 ON FEB 24	0.623 ON APR 28	181 000	1940
1941	---	11.6 ON JUL 23	---	---	1941
1942	---	11.2 ON JAN 17	---	---	1942
1943	---	15.8 ON FEB 9	---	---	1943
1944	---	---	---	---	1944
1945	---	9.06E ON JUN 24	0.241E ON OCT 1	123 000	1945
1946	---	11.8 ON NOV 23	0.362 ON AUG 22	151 000	1946
1947	---	12.5 ON SEP 24	0.382 ON SEP 4	184 000	1947
1948	---	---	---	---	1948
				153 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	14.1	14.7	19.8	9.90	8.43	15.1	15.0	8.42	9.95	5.84	10.4	12.7	12.0	1975
1976	17.4	20.8	17.4	10.9	13.1	15.2	9.61	19.4	17.4	9.79	11.1	11.2	14.4	1976
1977	15.7	14.2	11.4	9.43	8.60	11.5	5.44	6.07	5.95	9.19	17.9	9.55	10.4	1977
1978	8.73	15.6	16.9	8.95	10.5	21.3	13.9	12.4	11.6	12.4	11.9	14.6	13.2	1978
1979	11.7	15.3	13.5	14.9	14.1	12.3	4.57	6.97	13.6	5.71	6.14	8.67	10.6	1979
1980	9.78	13.8	14.7	10.6	15.9	35.4	10.2	8.82	9.48	13.4	18.9	16.6	14.8	1980
1981	20.5	14.5	3.66	4.79	23.7	32.7	29.2	19.9	12.9	12.5	17.9	12.2	17.1	1981
1982	10.8	16.3	15.9	18.7	7.58	25.1	12.2	5.86	4.81	6.87	10.0	15.3	12.4	1982
MEAN	13.6	15.7	14.2	11.0	12.7	21.1	12.5	11.0	10.7	9.46	13.0	12.6	13.1	MEAN

LOCATION - LAT 51 02 30 N — DRAINAGE AREA, 899 km²
LONG 115 01 55 W — REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	32.0 ON JUN 23	0.227E ON MAY 12	379 000	1975
1976	---	32.0 ON AUG 6	0.255 ON MAY 31	456 000	1976
1977	55.5 AT 12:10 MST ON MAY 13 *	31.4 ON NOV 24	0.255 ON SEP 20	327 000	1977
1978	30.9 IN JUN	29.4 ON JUN 6	0.283 ON APR 2	417 000	1978
1979	---	28.8 ON MAY 19	0.142 ON MAY 23 *	334 000	1979
1980	---	51.1 ON JUN 4	0.198 ON MAR 27	467 000	1980
1981	---	61.4 ON MAY 26 *	0.193 ON SEP 15	538 000	1981
1982	---	31.8 ON JUN 18	0.377 ON MAY 16	391 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		414 000	MEAN

E - ESTIMATED

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	1.14	0.869	3.88	---	1933
1934	3.72	4.23	0.786	0.860	3.03	10.5	10.8	11.0	8.83	0.732	1.94	3.83	5.03	1934
1935	1.47	0.543	0.410	0.401	0.114	4.86	12.1	6.71	0.681	2.01	3.29	7.66	3.39	1935
1936	4.98	4.20	0.447	0.472	3.07	8.23	12.7	7.31	0.659	1.13	5.15	8.38	4.74	1936
1937	6.29	1.42	0.406	0.470	0.881	0.125	11.1	11.1	2.22	1.12	1.88	1.00	3.21	1937
1938	0.853	0.813	2.71	1.95	5.33	15.2	15.6	8.50	3.31	3.98	1.10	6.42	5.52	1938
1939	3.00	8.11	2.55	0.496	1.30	1.23	6.83	10.8	6.10	1.08	1.31	3.81	3.87	1939
1940	5.90	8.20	4.01	0.679	1.60	2.69	6.27	10.1	9.03	3.24	7.35	6.55	5.46	1940
1941	4.96	3.57	1.07	0.508	1.05	1.25	7.58	8.78	4.47	2.21	2.10	2.92	3.38	1941
1942	8.49	9.20	1.45	0.454	---	---	---	---	---	---	---	---	---	1942
MEAN	4.41	4.48	1.54	0.699	2.05	5.51	10.4	9.29	4.41	1.85	2.78	4.94	4.33	MEAN

LOCATION - LAT 50 36 40 N — DRAINAGE AREA, 151 km²
LONG 115 07 20 W — REGULATED

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	14.9 ON SEP 2	0.147 ON OCT 31	159 000	1934
1935	---	14.2 ON JUL 28	0.057E ON APR 27 *	107 000	1935
1936	---	14.6 ON AUG 2	0.368E ON APR 1	150 000	1936
1937	---	14.4 ON JUL 19	0.079 ON JUN 13	101 000	1937
1938	---	20.1 ON JUN 22 *	0.708E ON NOV 25	174 000	1938
1939	---	12.4 ON FEB 18	0.085 ON MAY 2	122 000	1939
1940	---	13.2 ON FEB 19	0.096 ON APR 30	173 000	1940
1941	---	11.8 ON JUL 21	0.278 ON APR 25	107 000	1941
1942	---	12.5 ON JAN 20	0.085E ON APR 29	---	1942
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		137 000	MEAN

E - ESTIMATED

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	20.2	8.48	---	---	---	1911
1912	3.84	3.65	3.65	3.63	13.5	44.8	56.5	40.3	18.5	10.7	7.14	5.79	17.7	1912
1913	4.76	4.80	3.86	5.05	13.9	48.5	35.3	36.2	28.0	14.4	8.68	6.39	17.5	1913
1914	4.02	4.05	4.33	4.78	20.5	46.8	48.2	27.2	17.0	15.4	8.81	5.59	17.3	1914
1915	2.73	4.11	3.77	5.65	26.1	53.6	57.0	38.6	23.0	13.6	9.29	7.55	20.5	1915
1916	4.46	3.33	4.31	5.99	12.8	88.8	80.6	42.0	32.2	13.8	8.90	5.59	25.3	1916
1917	3.52	2.25	3.87	3.69	21.5	58.9	49.5	28.4	17.5	11.2	6.50	---	---	1917
1918	---	---	---	3.84	9.31	49.0	34.6	26.7	17.5	11.6	5.71	4.02	---	1918
1919	3.25	2.02	2.01	4.75	25.4	40.2	29.6	34.3	18.1	8.87	4.79	5.04	14.9	1919
1920	3.78	3.94	3.09	3.05	10.6	34.3	57.4	27.7	15.3	8.71	5.22	4.32	14.9	1920
1921	3.39	3.51	3.27	4.42	26.4	51.5	40.2	27.7	13.5	8.59	6.38	4.61	16.2	1921
1922	3.35	2.95	3.80	3.74	19.9	47.7	29.5	24.0	16.2	9.33	4.44	2.62	14.0	1922
1923	2.27	2.49	3.08	3.25	11.9	88.1	44.3	28.3	17.6	10.4	6.28	3.26	18.5	1923
1924	2.95	3.58	3.48	3.53	20.1	41.9	40.1	38.9	17.9	7.99	5.73	4.46	15.9	1924
1925	4.10	3.62	3.05	6.37	29.1	51.1	34.5	29.0	19.7	12.1	7.01	4.95	17.1	1925
1926	4.76	4.10	3.58	5.95	11.7	24.9	29.9	19.1	28.5	17.4	10.1	---	---	1926
1927	---	---	---	5.62	14.3	74.4	51.4	33.0	26.5	16.4	7.31	1.81	---	1927
1928	3.31	3.85	4.73	5.22	32.8	61.9	48.8	28.1	15.2	9.62	6.50	4.42	18.7	1928
1929	4.23	3.29	3.70	3.37	18.8	68.0	30.5	21.5	13.4	9.22	5.24	3.84	15.5	1929
1930	2.80	3.58	3.45	6.50	21.8	51.5	42.3	27.2	17.8	8.96	5.07	4.13	16.3	1930
1931	3.70	3.61	3.71	3.33	13.9	33.9	23.4	18.3	12.9	6.29	---	---	---	1931
1932	---	---	---	---	29.2	82.9	32.5	24.4	16.1	8.24	6.17	5.04	---	1932
1933	5.51	2.74	3.14	3.68	22.3	57.2	41.2	21.1	14.5	8.20	6.23	6.01	16.0	1933
1934	6.05	8.06	4.24	9.30	29.4	34.2	25.1	19.0	14.4	6.22	5.57	8.11	14.2	1934
1935	4.75	4.25	3.27	3.24	9.50	34.5	34.0	19.2	6.43	6.35	6.52	9.51	11.8	1935
1936	6.56	5.93	2.52	4.46	16.2	30.0	22.7	14.9	6.14	5.23	7.98	10.6	11.1	1936
1937	6.05	3.62	2.09	2.61	10.8	28.3	31.4	22.9	10.6	8.00	7.39	3.80	11.5	1937
1938	4.61	3.03	4.36	5.14	27.0	54.6	39.5	21.5	10.8	8.97	3.88	6.76	15.9	1938
1939	4.84	7.93	5.83	4.17	12.9	26.6	24.9	19.9	17.5	8.12	6.70	8.18	12.3	1939
1940	7.70	8.36	9.17	5.46	17.9	22.4	18.1	16.9	22.0	11.4	10.5	9.51	13.3	1940
1941	6.06	6.05	5.33	4.85	9.53	17.7	17.6	17.6	15.4	10.4	6.98	7.52	10.4	1941
1942	11.5	9.26	6.68	6.10	33.4	39.1	29.4	17.1	12.9	9.55	7.95	15.9	16.6	1942
1943	7.30	16.7	16.2	12.4	14.6	28.2	31.6	13.8	8.41	6.64	12.8	14.7	15.2	1943
1944	12.9	11.7	10.7	7.81	11.0	18.6	12.9	12.9	8.62	7.46	7.40	11.4	11.1	1944
1945	9.72	9.97	8.38	6.51	14.1	37.7	29.0	13.9	10.6	8.72	14.6	14.1	14.8	1945
1946	12.0	11.1	10.0	9.81	28.2	38.7	20.7	12.1	12.4	9.93	15.6	17.2	16.5	1946
1947	15.1	13.2	10.6	10.8	21.6	38.9	23.8	8.21	15.2	17.2	15.6	16.1	17.2	1947
1948	13.8	10.0	11.8	12.7	33.7	46.1	22.9	17.1	10.5	9.19	10.6	10.5	17.4	1948
1949	---	---	---	---	---	---	9.66	8.16	---	---	8.97	---	---	1949
1950	---	---	---	9.47	---	36.3	---	12.0	6.96	9.54	---	---	---	1950
1951	---	---	---	---	---	---	---	---	24.4	18.8	15.9	---	---	1951
1952	---	6.06	---	17.4	18.5	21.6	20.7	12.7	6.46	5.88	12.5	13.3	---	1952
1953	12.2	10.0	12.5	13.2	14.9	37.5	29.5	12.8	8.23	6.14	12.2	12.6	15.2	1953
1954	15.6	6.62	13.8	14.8	18.0	38.6	36.2	16.2	12.5	12.5	17.1	16.7	18.3	1954
1955	11.7	12.2	10.8	12.2	6.48	23.9	16.3	6.68	4.17	5.10	12.3	17.7	11.6	1955
1956	22.8	21.7	18.2	6.53	15.6	18.9	22.7	11.1	14.6	7.08	14.3	12.2	15.5	1956
1957	15.4	15.5	15.4	17.5	15.7	12.8	7.83	5.41	7.21	8.97	4.69	13.9	11.6	1957
1958	14.7	24.0	21.3	15.1	10.7	17.5	14.4	6.37	5.09	8.48	17.3	20.8	14.6	1958
1959	17.7	28.0	9.61	9.08	7.80	22.5	13.9	9.77	8.48	10.0	9.97	16.4	13.5	1959
1960	15.9	14.0	15.5	5.90	11.8	17.4	15.5	14.7	9.04	7.09	14.2	14.6	13.0	1960
1961	12.7	13.4	13.9	10.3	16.4	31.8	14.9	14.3	13.1	14.3	17.9	19.0	16.0	1961
1962	16.5	22.0	22.4	10.9	9.51	16.7	5.74	5.11	5.14	---	---	---	---	1962
MEAN	8.07	8.18	7.56	7.15	17.9	40.6	31.2	20.5	14.6	9.94	9.14	9.33	15.4	MEAN

LOCATION - LAT 51 02 50 N   DRAINAGE AREA, 933 km²
LONG 115 01 40 W   REGULATED SINCE 1932

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	92.3 ON JUL 21	2.04 ON DEC 11	560 000	1912
1913	---	60.9 ON JUN 10	3.17 B ON MAR 31	553 000	1913
1914	---	67.1 ON JUN 19	2.12 B ON FEB 5	545 000	1914
1915	---	152 ON JUN 27	2.12 ON JAN 26	647 000	1915
1916	---	209 ON JUN 18	3.20 B ON FEB 11	798 000	1916
1917	---	85.8 ON JUN 9	1.47 B ON FEB 1	---	1917
1918	---	93.4 ON JUN 15	---	---	1918
1919	---	75.0 ON AUG 5	0.934B ON MAR 2	471 000	1919
1920	74.2 AT 15:00 MST ON JUL 12	71.4 ON JUL 12	2.07 B ON APR 3	470 000	1920
1921	68.2 AT 09:00 MST ON JUN 8	68.0 ON JUN 8	2.61 B ON MAR 13	512 000	1921
1922	67.4 AT 10:00 MST ON JUN 5	65.7 ON JUN 5	0 B ON FEB 11 *	442 000	1922
1923	168 AT 22:00 MST ON JUN 13	144 ON JUN 1	1.98 B ON JAN 22	582 000	1923
1924	77.0 AT 12:00 MST ON JUL 5	75.9 ON JUL 3	2.18 B ON JAN 3	505 000	1924
1925	69.4 AT 05:00 MST ON MAY 23	68.0 ON JUN 22	2.27 B ON MAR 30	539 000	1925
1926	49.8 AT 19:00 MST ON SEP 1	48.7 ON SEP 1	3.26 B ON APR 8	---	1926
1927	105 AT 21:00 MST ON JUN 9	103 ON JUN 9	---	---	1927
1928	---	82.1E ON JUN 15	1.73 B ON JAN 1	593 000	1928
1929	161 AT 23:00 MST ON JUN 2	146 ON JUN 3	2.94 ON JAN 30	487 000	1929
1930	71.1 AT 03:00 MST ON JUN 11	69.7 ON JUN 11	2.72 B ON JAN 6	514 000	1930
1931	52.1 AT 18:00 MST ON JUN 17	45.9 ON JUN 17	2.86 B ON MAR 27	---	1931
1932	337 AT 16:30 MST ON JUN 2 *	283 ON JUN 3 *	---	---	1932
1933	118 AT 04:00 MST ON JUN 17	111 ON JUN 17	1.02 B ON FEB 13	505 000	1933
1934	57.2 AT 18:00 MST ON MAY 30	55.8 ON MAY 30	3.43 B ON MAR 10	447 000	1934
1935	50.7 AT 04:00 MST ON JUN 19	49.3 ON JUN 18	2.80 E ON APR 4	374 000	1935
1936	69.4 AT 05:00 MST ON JUN 2	63.4 ON JUN 2	2.18 B ON APR 1	352 000	1936
1937	44.2 AT 05:00 MST ON JUN 16	43.0 ON JUL 16	1.70 B ON MAR 30	363 000	1937
1938	85.2 AT 15:00 MST ON MAY 28	82.7 ON MAY 28	2.80 B ON MAR 7	503 000	1938
1939	42.5 AT 02:30 MST ON JUN 23	41.3 ON JUN 22	3.03 B ON JAN 14	388 000	1939
1940	42.5 AT 21:00 MST ON SEP 5	36.5 ON MAY 25	4.76 ON APR 6	420 000	1940
1941	25.1 AT 22:30 MST ON JUL 16	21.7 ON JUL 18	3.28 B ON JAN 8	329 000	1941
1942	67.7 AT 14:30 MST ON MAY 25	66.3 ON MAY 25	5.01 B ON FEB 23	524 000	1942
1943	52.7 AT 07:00 MST ON JUL 3	49.3 ON JUL 3	4.90 B ON JAN 28	481 000	1943
1944	---	26.6 ON JUN 13	3.48 B ON NOV 13	351 000	1944
1945	69.1 AT 03:00 MST ON JUN 22	62.9 ON JUL 2	5.07 ON APR 30	466 000	1945
1946	67.7 AT 04:00 MST ON MAY 29	66.5 ON MAY 29	6.34 ON NOV 3	520 000	1946
1947	81.3E AT 14:00 MST ON SEP 5	50.1 ON AUG 6	0.623E ON AUG 10	543 000	1947
1948	180 AT 10:50 MST ON MAY 24	142 ON MAY 24	0.510 ON APR 18	551 000	1948
1949	---	---	---	---	1949
1950	109 ON JUN 16	69.9 ON JUN 18	---	---	1950
1951	135 AT 16:30 MST ON JUN 15	101 ON JUN 15	---	---	1951
1952	85.5 AT 15:00 MST ON MAY 28	33.7 ON JUL 3	0.765 ON MAY 11	---	1952
1953	---	85.2 ON JUN 13	0.906 ON JAN 17	478 000	1953
1954	---	101 ON JUN 15	0.283 ON JAN 31	577 000	1954
1955	66.0 AT 16:00 MST ON JUN 25	54.9 ON JUN 24	0 ON APR 30	366 000	1955
1956	---	32.8 ON JUL 14	0.283 ON APR 6	489 000	1956
1957	---	33.7 ON APR 24	0.566 ON MAY 26	367 000	1957
1958	---	35.4 ON APR 2	0.283 ON APR 14	460 000	1958
1959	48.4 AT 16:00 MST ON MAY 22	34.3 ON FEB 7	0.708 ON MAR 8	425 000	1959
1960	---	32.0 ON JUL 21	0.283 ON MAR 26	410 000	1960
1961	---	62.6 ON JUN 6	0.283 ON APR 15	505 000	1961
1962	---	33.7 ON FEB 18	---	---	1962
				485 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.675	0.569	0.672	0.306	0.092	---	1971
1972	0.027	0.009	0.011	2.66	20.5	1.64	5.16	0.653	0.112	0.514	0.508	0.087	3.94	1972
1973	0.057	0.012	0.015	6.95	12.1	7.41	1.27	5.11	1.42	0.667	0.200	0.100	4.36	1973
1974	0.053	0.039	0.035	12.4	13.4	3.76	2.08	1.03	0.558	0.536	0.178	0.035	4.21	1974
1975	0.004	0	0	2.89	6.65	3.90	1.82	0.834	1.98	0.290	0.147	0.081	2.29	1975
1976	0.029	0	0	4.42	2.01	7.70	6.73	5.68	1.61	2.56	0.806	0.136	3.83	1976
1977	0.089	0.127	0.112	3.92	6.49	17.7	2.88	0.488	0.204	0.281	0.156	0.058	3.97	1977
1978	0.005	0	0	1.94	10.3	2.33	0.414	4.49	8.93	3.63	0.849	0.180	4.00	1978
1979	0.059	0.017	0.037	1.75	18.5	14.5	5.42	0.650	0.397	0.236	---	---	5.18	1979
1980	---	---	0.003	0.781	1.29	0.984	0.673	0.307	0.437	0.450	---	---	0.615	1980
1981	---	---	0.109	3.13	10.0	1.16	0.558	0.157	0.008	0.075	---	---	1.91	1981
1982	---	---	0	1.86	7.40	0.410	0.050	0.886	0.163	0.112	---	---	1.37	1982
MEAN	0.040	0.026	0.029	3.88	9.88	5.59	2.46	1.75	1.37	0.835	0.394	0.096	3.24	MEAN

LOCATION - LAT 57 44 40 N DRAINAGE AREA, 667 km^2
LONG 117 37 20 W NATURAL FLOW

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	48.4 AT 21:00 MST ON MAY 11	47.9 ON MAY 11	0.003B ON MAR 1	83 400	1972
1973	42.5 AT 10:30 MST ON JUN 18	41.3 ON JUN 18	0.001B ON MAR 1	92 300	1973
1974	56.9 AT 20:00 MST ON APR 27	54.1 ON APR 27	0.025B ON MAR 11	89 100	1974
1975	27.0 AT 01:00 MST ON JUN 30	24.0 ON JUN 29	0 B ON MAR 1 *	48 400	1975
1976	34.5 AT 11:00 MST ON JUN 29	34.5 ON JUN 28	0 B ON MAR 1	81 100	1976
1977	103 AT 13:00 MST ON JUN 4 *	85.5 ON JUN 4 *	0.085B ON MAR 24	84 100	1977
1978	36.0 AT 15:30 MST ON MAY 1	34.3 ON MAY 1	0 B ON MAR 1	84 700	1978
1979	41.2 AT 21:00 MST ON MAY 29	39.4 ON JUN 2	0.020B ON MAR 1	110 000	1979
1980	7.55 AT 12:00 MST ON MAY 26	6.95 ON MAY 26	0 B ON MAR 1	13 000	1980
1981	40.0 AT 20:00 MST ON MAY 3	38.5 ON MAY 3	0 B ON MAR 1	40 400	1981
1982	23.5 AT 05:30 MST ON MAY 5	21.1 ON MAY 5	0 B ON MAR 1	28 900	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		68 700	MEAN

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.098	0.069	0	0	0	0	0	0	---	---	0.021	1982
MEAN	---	---	0.098	0.069	0	0	0	0	0	0	---	---	0.021	MEAN

LOCATION - LAT 51 05 45 N DRAINAGE AREA, 939 km^2
LONG 110 15 31 W NATURAL FLOW

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.728 ON MAR 29 *	0B ON MAR 1 *	440	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		440	MEAN

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.002	0	0.148	0.086	0	0	---	---	---	1915
1916	---	---	0.512	0.018	0.065	0.166	0.112	0	0.009	0.006	---	---	0.112	1916
1917	---	---	0	2.33	0.011	0	0	0	0	0	---	---	0.286	1917
1918	---	---	1.93	0.142	0.002	0	0	0	0	0	---	---	0.262	1918
1919	---	---	0	0.207	0	0	0	0	0	0	---	---	0.025	1919
1920	---	---	0.441	0.215	0.085	0	0	0	0	0	---	---	0.093	1920
1921	---	---	0.165	0.168	0.241	0.006	0	0	0	0	---	---	0.073	1921
1922	---	---	0.006	1.80	0.022	0	0	0	0	0	---	---	0.224	1922
1923	---	---	0.354	0.161	0.009	0.199	0.013	0	0	0	---	---	0.092	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.203	0.120	0	0	0	0	0	0	---	---	0.040	1925
1936	---	---	0	0.455	0	0	0	0	0	0	---	---	0.056	1936
MEAN	---	---	0.328	0.511	0.036	0.031	0.023	0.007	0.001	0.001	---	---	0.115	MEAN

LOCATION - LAT 49 20 00 N DRAINAGE AREA, 182 km^2
LONG 110 50 00 W NATURAL FLOW

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 1 *	---	1915
1916	---	3.99 ON MAR 11	0 ON MAR 5	2 360	1916
1917	---	10.4 ON APR 9	0 ON MAR 1	6 060	1917
1918	---	11.1 ON MAR 25 *	0 ON MAR 1	5 540	1918
1919	---	1.87 ON APR 19	0 ON MAR 1	535	1919
1920	---	2.52B ON MAR 22	0 ON MAR 1	1 960	1920
1921	---	1.93 ON MAY 9	0 ON MAR 10	1 540	1921
1922	---	8.44B ON APR 3	0 ON MAR 1	4 740	1922
1923	---	1.53 ON JUN 22	0B ON MAR 1	1 940	1923
1924	---	0 B ON MAR 1	0B ON MAR 1	0	1924
1925	---	2.04 ON MAR 29	0B ON MAR 1	855	1925
1936	---	2.72E ON APR 12	0 ON MAR 1	1 180	1936
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 430	MEAN

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.006	0.046	0.014	0.013	0.011	---	---	---	1982
MEAN	---	---	---	---	---	0.006	0.046	0.014	0.013	0.011	---	---	---	MEAN

LOCATION - LAT 52 33 47 N
LONG 110 08 52 W NATURAL FLOW

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.249 ON JUL 4 *	---	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05GA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0	0	0	0	0	---	---	---	1982
MEAN	---	---	---	---	---	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 51 58 24 N
LONG 111 28 47 W NATURAL FLOW

KIRKPATRICK LAKE TRIBUTARY NEAR SPODIN - STATION NO. 05GA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0 ON JUN 1 *	0 ON JUN 1 *	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.027	0.946	0.181	0	0	0.001	0.003	0	---	---	0.143	1966
1967	---	---	0	0.684	0.100	0	0	0.002	0	0	---	---	0.097	1967
1968	---	---	0.582	0.280	0.016	0.188	0	0	0	0	---	---	0.133	1968
1969	---	---	0	0.602	0.004	0	0	0	0.002	0	---	---	0.075	1969
1970	---	---	0.286	0.338	0	0	0	0	0	0	---	---	0.078	1970
1971	---	---	0	0.347	0.001	0.426	0.193	0	0	0	---	---	0.119	1971
1972	---	---	0.110	0.976	0.022	0	0	0	0	0	---	---	0.136	1972
1973	---	---	0.004	0.785	0.004	0.003	0	0.010	0.002	0.003	---	---	0.099	1973
1974	---	---	0	2.02	0.129	0	0	0	0	0	---	---	0.263	1974
1975	---	---	0	0.503	0.003	0.001	0	0	0	0	---	---	0.062	1975
1976	---	---	0.002	0.838	0	0.114	0.025	0.595	0.014	0	---	---	0.197	1976
1977	---	---	0.012	0.295	0.016	0.001	0.005	0	0	0	---	---	0.040	1977
1978	---	---	0.107	0.039	0.001	0	0	0	0	0	---	---	0.018	1978
1979	---	---	0.007	0.760	0.044	0	0.001	0	0	0	---	---	0.100	1979
1980	---	---	0.020	0.086	0	0	0	0	0.004	0	---	---	0.014	1980
1981	---	---	0.881	0.119	0	0	0	0	0	0	---	---	0.126	1981
1982	---	---	0	0.632	0.091	0	0.036	0.239	0.001	0	---	---	0.124	1982
MEAN	---	---	0.120	0.603	0.036	0.043	0.015	0.050	0.002	0	---	---	0.107	MEAN

LOCATION - LAT 55 13 29 N DRAINAGE AREA, 31.6 km^2
LONG 118 27 37 W REGULATED

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	5.66 AT 17:30 MST ON APR 5	3.71 ON APR 5	0 ON MAR 1 *	3 020	1966
1967	9.71 AT 17:00 MST ON APR 26	5.21 ON APR 26	0B ON MAR 1	2 040	1967
1968	6.34 ON JUN 13	4.22 ON JUN 13	0B ON MAR 17	2 820	1968
1969	10.3 B AT 18:00 MST ON APR 12	4.33 B ON APR 12	0B ON MAR 1	1 580	1969
1970	3.82 B AT 19:30 MST ON MAR 27	1.93 B ON APR 1	0B ON MAR 1	1 640	1970
1971	7.76 AT 11:00 MST ON JUN 26	3.88 ON JUL 11	0B ON MAR 1	2 530	1971
1972	9.06 AT 17:30 MST ON APR 19	3.88 ON APR 19	0B ON MAR 1	2 880	1972
1973	11.2 A AT 18:00 MST ON APR 10	6.17 A ON APR 10	0B ON MAR 1	2 100	1973
1974	14.5 AT 17:00 MST ON APR 20	8.38 ON APR 20 *	0B ON MAR 1	5 570	1974
1975	14.7 B AT 16:30 MST ON APR 18 *	6.06 B ON APR 18	0B ON MAR 1	1 310	1975
1976	14.0 AT 12:30 MST ON AUG 17	6.31 ON AUG 17	0B ON MAR 1	4 170	1976
1977	4.90 AT 15:30 MST ON APR 4	2.53 ON APR 4	0 ON APR 28	854	1977
1978	0.614A AT 17:30 MST ON MAR 21	0.473A ON MAR 21	0 ON MAY 17	390	1978
1979	7.41 A AT 18:30 MST ON APR 26	3.95 ON APR 27	0B ON MAR 1	2 110	1979
1980	1.04 AT 17:30 MST ON APR 1	0.431 ON APR 3	0B ON MAR 1	288	1980
1981	4.37 B AT 17:00 MST ON MAR 29	2.30 B ON MAR 16	0B ON MAR 1	2 670	1981
1982	9.34 AT 17:30 MST ON APR 26	5.05 ON APR 27	0B ON MAR 1	2 620	1982
				2 270	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	1.03	5.47	0.883	0.129	0.112	0.168	0.027	0.042	---	---	0.971	1921
1922	---	---	0.627	1.59	0.263	0.081	0.135	0.101	0.038	0.025	---	---	0.355	1922
1923	---	---	0.172	0.664	0.385	2.11	0.341	0.196	0.008	0.007	---	---	0.480	1923
1924	---	---	0.025	0.470	0.173	0.077	0.089	0.341	0.004	0.038	---	---	0.152	1924
1925	---	---	2.71	14.8	0.459	0.375	0.333	0.003	0.132	0.111	---	---	2.33	1925
1926	---	---	7.21	0.737	0.163	0.166	0.047	0.119	0.561	0.349	---	---	1.18	1926
1927	---	---	7.12	11.2	1.40	0.662	0.479	0.228	0.563	0.347	---	---	2.73	1927
1928	---	---	11.4	3.30	0.703	4.34	1.67	0.211	0.074	0.123	---	---	2.73	1928
1929	---	---	0.217	0.334	0.409	0.092	0.003	0	0	0	---	---	0.132	1929
1930	---	3.06	1.38	0.790	0.131	0.062	0.007	0.042	0.005	0.021	---	---	0.306	1930
1931	---	---	0.043	---	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	3.04	13.5	0.996	0.404	---	---	---	---	---	---	---	1936
1957	---	---	---	---	0.650	0.197	0.087	0.820	0.541	0.119	---	---	---	1957
1958	---	---	---	---	0.655	0.452	0.209	0.005	0.046	0.015	---	---	---	1958
1959	---	---	1.51	0.343	0.188	0.220	0.162	0.250	0.066	0.056	---	---	0.351	1959
1960	---	---	13.0	7.98	0.613	0.186	0.086	0.013	0	0	---	---	2.74	1960
1961	---	---	2.49	0.397	0.982	0.074	0.005	0.013	0	0	---	---	0.500	1961
1962	---	---	2.31	0.485	0.067	0.056	0.351	0.085	0.169	0.009	---	---	0.443	1962
1963	---	---	4.14	0.988	0.298	0.298	0.158	0.036	0.028	0	---	---	0.747	1963
1964	---	---	0.039	0.935	0.486	0.134	0.134	0	0.018	0.002	---	---	0.217	1964
1965	---	---	3.84	13.7	0.862	0.706	1.56	0.333	0.397	0.208	---	---	2.68	1965
1966	---	---	14.9	7.47	0.921	1.01	2.33	0.436	0.273	0.087	---	---	3.44	1966
1967	---	---	0.470	14.2	7.98	0.780	0.103	0	0	0.006	---	---	2.91	1967
1968	---	---	0.468	0.212	0.087	0.207	0.262	0.173	0.356	0.124	---	---	0.236	1968
1969	---	---	0.147	25.3	0.651	0.168	0.303	0.065	0.115	0.095	---	---	3.29	1969
1970	---	---	1.56	3.36	0.470	3.51	---	0.056	0.013	0.071	---	---	---	1970
1971	---	---	0.315	38.0	1.87	0.495	0.170	0.105	0.150	0.056	---	---	5.05	1971
1972	---	---	1.24	1.66	0.352	2.05	0.575	0.132	0.120	0.130	---	---	0.775	1972
1973	---	---	4.48	10.2	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.005	28.2	7.21	1.07	0.384	0.244	0.136	0.107	---	---	4.61	1974
1975	---	---	0	3.99	---	0.337	0.073	0.039	0.022	0.031	---	---	---	1975
1976	---	---	2.20	1.22	0.087	0.060	0.020	0.179	0.009	0	---	---	0.472	1976
1977	---	---	0.104	0.814	0.208	0.052	0.021	0.022	0.026	0.017	---	---	0.156	1977
1978	---	---	2.25	3.04	0.310	0.501	0.058	0.072	0.551	0.077	---	---	0.851	1978
1979	---	---	1.86	0.825	0.290	0.040	0.014	0.014	0.003	0	---	---	0.382	1979
1980	---	---	0.050	3.38	0.158	0.233	0.098	0.174	0.002	0.017	---	---	0.505	1980
1981	---	---	1.05	0.297	1.51	0.063	0.034	0.031	0.009	0.029	---	---	0.381	1981
1982	---	---	1.33	3.80	0.350	0.203	0.140	0.023	0.029	0.032	---	---	0.731	1982
MEAN	---	3.06	2.63	6.39	0.949	0.600	0.310	0.135	0.125	0.065	---	---	1.38	MEAN

LOCATION - LAT 51 28 40 N   DRAINAGE AREA, 2 430 km^2
LONG 112 51 30 W   NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	17.1 ON APR 15	0.005 ON SEP 6	28 600	1921
1922	---	4.81B ON APR 2	0 B ON MAR 1 *	7 510	1922
1923	24.9 AT 23:00 MST ON JUN 1	8.10 ON JUN 1	0.003B ON MAR 15	10 [illegible]	1923
1924	6.91 AT 17:00 MST ON AUG 14	1.70 ON AUG 14	0 B ON MAR 1	3 [illegible]	1924
1925	72.5 AT 12:00 MST ON APR 7	65.4 ON APR 7	0 B ON MAR 1	48 300	1925
1926	---	25.9 ON MAR 19	0 ON JUL 21	24 900	1926
1927	---	27.0 ON APR 7	0 B ON MAR 1	57 900	1927
1928	---	56.6 B ON MAR 21	0 B ON MAR 1	57 900	1928
1929	---	1.12 ON MAY 14	0 B ON MAR 1	2 800	1929
1930	---	7.42 ON MAR 31	0 ON JUN 16	6 480	1930
1931	---	---	0 B ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	39.1 B ON APR 14	0 B ON APR 4	---	1936
1957	---	15.9 ON AUG 11	---	---	1957
1958	---	---	0 ON AUG 10	---	1958
1959	7.82 AT 22:00 MST ON AUG 17	2.94B ON MAR 16	0.011 ON JUL 19	7 430	1959
1960	---	68.5 B ON MAR 26	0 B ON MAR 1	58 000	1960
1961	50.7 AT 00:20 MST ON MAY 30	19.4 ON MAY 30	0 ON MAR 1	10 600	1961
1962	12.8 AT 21:30 MST ON JUL 27	11.9 B ON MAR 19	0 B ON MAR 1	9 390	1962
1963	---	16.8 ON MAR 24	0 ON AUG 21	15 800	1963
1964	---	5.07B ON APR 4	0 B ON MAR 1	4 580	1964
1965	---	40.5 A ON APR 12	0 B ON MAR 1	56 700	1965
1966	120 AT 00:05 MST ON MAR 29	87.5 ON MAR 29	0 B ON MAR 1	72 800	1966
1967	78.2 AT 12:00 MST ON APR 14	38.2 ON APR 15	0 B ON MAR 1	61 700	1967
1968	---	4.25 ON SEP 22	0 ON JUL 14	4 990	1968
1969	---	123 ON APR 5 *	0 B ON MAR 1	69 600	1969
1970	---	14.4 ON JUN 16	0 B ON MAR 1	---	1970
1971	133 A AT 00:00 MST ON APR 9 *	110 ON APR 10	0 B ON MAR 1	107 000	1971
1972	23.4 AT 08:30 MST ON JUN 12	16.0 ON JUN 12	0 B ON MAR 1	16 400	1972
1973	28.1 AT 23:40 MST ON APR 4	26.2 ON APR 5	0 B ON MAR 1	---	1973
1974	124 B AT 21:00 MST ON APR 14	85.8 ON APR 15	0 B ON MAR 1	97 600	1974
1975	---	14.0 B ON APR 21	0 B ON MAR 1	---	1975
1976	21.8 AT 00:30 MST ON AUG 16	12.2 B ON MAR 23	0 ON SEP 20	9 980	1976
1977	6.37 AT 18:00 MST ON APR 8	4.42 ON APR 9	0 ON JUN 28	3 310	1977
1978	21.3 B AT 03:00 MST ON MAR 27	13.0 A ON MAR 29	0 B ON MAR 1	18 000	1978
1979	9.53B AT 16:00 MST ON MAR 7	8.86B ON MAR 7	0 B ON MAR 1	8 080	1979
1980	14.0 AT 00:30 MST ON APR 9	9.63 ON APR 9	0 B ON MAR 1	10 700	1980
1981	8.77 AT 13:15 MST ON MAY 9	7.31 ON MAY 10	0 ON AUG 16	8 080	1981
1982	14.4 AT 04:23 MST ON APR 16	12.7 ON APR 16	0 B ON MAR 1	15 500	1982
				29 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	1.93	1.82	0.147	---	---	---	---	---	---	---	1967
1968	---	---	0.304	0.050	0.018	0.038	0.081	0.081	0.005	0.019	---	---	---	1968
1969	---	---	0	6.54	0.212	0.043	0.026	0.003	0.037	0.013	---	---	---	1969
MEAN	---	---	0.101	2.84	0.683	0.076	0.054	0.042	0.021	0.016	---	---	---	MEAN

LOCATION - LAT 51 35 30 N DRAINAGE AREA, 642 km^2
LONG 113 30 50 W NATURAL FLOW

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.48 ON APR 29	0B ON MAR 1 *	---	1967
1968	---	1.81B ON MAR 8	0B ON FEB 28	---	1968
1969	40.8B AT 17:30 MST ON APR 6 *	37.9 B ON APR 6 *	0B ON MAR 1	---	1969
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0	0	0	0	0	---	---	---	1977
1978	---	---	1.84	0.260	0.227	0.175	0.124	0.025	0.114	0.005	---	---	0.348	1978
1979	---	---	0.171	0.248	0.296	0.083	0.016	0	0	0	---	---	0.102	1979
1980	---	---	0.114	0.069	0.078	0.032	0	0	0	0	---	---	0.037	1980
1981	---	---	0.001	0	0.479	0.205	0.048	0.009	0.001	0.001	---	---	0.093	1981
1982	---	---	0.034	0.084	0.002	0.094	0.001	0	0	0	---	---	0.026	1982
MEAN	---	---	0.432	0.132	0.216	0.098	0.032	0.006	0.019	0.001	---	---	0.121	MEAN

LOCATION - LAT 49 48 55 N DRAINAGE AREA, 191 km^2
LONG 113 35 25 W NATURAL FLOW

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON JUN 1 *	---	1977
1978	11.2 A AT 12:00 MST ON MAR 18 *	10.8 A ON MAR 18 *	0E ON MAR 1	7 360	1978
1979	0.921 AT 14:00 MST ON MAY 8	0.821 ON MAY 8	0B ON MAR 1	2 150	1979
1980	1.10 AT 03:05 MST ON MAY 27	0.777 ON MAY 27	0B ON MAR 6	775	1980
1981	10.4 AT 07:50 MST ON MAY 16	7.62 ON MAY 16	0 ON MAR 11	1 970	1981
1982	1.79 AT 15:30 MST ON JUN 6	1.19 ON JUN 7	0B ON MAR 1	559	1982
MEAN				2 560	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0.939	5.06	2.85	0.620	0.835	---	---	---	1978
1979	---	---	---	---	---	7.37	9.41	2.61	0.784	1.11	---	---	---	1979
1980	---	---	---	0.003	3.68	3.32	8.64	2.38	1.39	1.29	---	---	2.98	1980
1981	---	---	---	---	0.870	2.17	7.26	2.75	2.69	1.94	---	---	---	1981
1982	---	---	---	---	0.887	5.26	8.42	4.78	2.78	0.097	---	---	---	1982
MEAN	---	---	---	0.003	1.81	3.81	7.76	3.07	1.65	1.05	---	---	2.98	MEAN

LOCATION - LAT 49 53 00 N
LONG 113 11 00 W   REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	8.33 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	12.8 ON JUL 17 *	0 ON JUN 1	---	1979
1980	---	12.2 ON JUL 10	0 ON APR 1	55 000	1980
1981	---	12.6 ON JUL 10	0 ON OCT 26	---	1981
1982	---	12.2 ON JUL 23	0 ON MAY 1	---	1982
MEAN				55 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0.462	0.739	3.41	8.14	2.80	---	---	---	---	1.73	1.24	---	1982
MEAN	---	0.462	0.739	3.41	6.14	2.80	---	---	---	---	1.73	1.24	---	MEAN

LOCATION - LAT 54 56 10 N   DRAINAGE AREA, 4 860 km^2
LONG 112 30 10 W   NATURAL FLOW

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.015	4.18	1.40	0.976	4.26	1.58	0.262	0.436	---	---	1.64	1976
1977	---	---	0.025	1.47	0.856	2.74	0.527	0.085	0.057	0.565	---	---	0.783	1977
1978	---	---	0.017	1.26	4.68	1.02	0.074	0.883	5.33	2.00	---	---	1.98	1978
1979	---	---	0.009	1.12	9.14	8.33	2.08	0.074	0	0	---	---	2.59	1979
1980	---	---	0.002	0.622	0.131	0.057	0.013	0.434	1.25	0.853	---	---	0.417	1980
1981	---	---	0.018	2.23	3.27	0.931	0.023	0.013	0.001	0.008	---	---	0.809	1981
1982	---	---	0	1.18	2.95	0.206	0.008	0.013	0.021	0.060	---	---	0.556	1982
MEAN	---	---	0.012	1.72	3.20	2.04	0.998	0.440	0.989	0.560	---	---	1.24	MEAN

LOCATION - LAT 57 04 40 N
LONG 115 05 30 W   NATURAL FLOW

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	10.1 A ON APR 16	0.014B ON MAR 1	34 600	1976
1977	9.83 AT 13:30 MST ON JUN 7	9.60 ON JUN 7	0.014B ON MAR 27	16 600	1977
1978	10.8 AT 16:30 MST ON MAY 3	10.5 ON MAY 3	0.011B ON MAR 25	40 100	1978
1979	16.9 AT 13:00 MST ON MAY 31 *	16.4 ON MAY 31 *	0 ON SEP 5 *	54 800	1979
1980	2.12 AT 12:30 MST ON SEP 25	2.03 ON SEP 25	0 B ON MAR 1	8 830	1980
1981	12.5 AT 04:00 MST ON APR 29	12.1 ON APR 29	0 ON SEP 5	17 100	1981
1982	8.20 AT 10:15 MST ON APR 27	6.48B ON APR 28	0 B ON MAR 1	11 800	1982
				26 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.050	---	---	---	1977
1978	---	---	0.036	0.992	0.150	0.028	0.037	0.002	0	0	---	---	0.153	1978
1979	---	---	0	0.463	4.81	0.186	0.313	0.012	0	0	---	---	0.729	1979
1980	---	---	0	0.083	0.001	0	0	0	0	0	---	---	0.010	1980
1981	---	---	0.024	1.52	0.038	0	0	0	0	0	---	---	0.194	1981
1982	---	---	0	0.313	0.052	0.003	0	0.013	0	0.001	---	---	0.047	1982
MEAN	---	---	0.012	0.674	1.01	0.043	0.070	0.005	0	0.009	---	---	0.227	MEAN

LOCATION - LAT 55 47 29 N   DRAINAGE AREA, 160 km^2
LONG 117 20 10 W   NATURAL FLOW

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 22 *	---	1977
1978	4.16 B AT 09:00 MST ON APR 5	3.34 B ON APR 4	0B ON MAR 1	3 240	1978
1979	37.4 A AT 23:00 MST ON MAY 1 *	23.7 A ON MAY 1 *	0B ON MAR 1	15 500	1979
1980	0.404B AT 20:30 MST ON APR 5	0.307B ON APR 5	0B ON MAR 1	220	1980
1981	7.43 AT 09:00 MST ON APR 20	6.06 ON APR 20	0B ON MAR 1	4 100	1981
1982	6.37 AT 03:00 MST ON APR 27	6.24 ON APR 27	0B ON MAR 1	999	1982
				4 810	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.007	0.039	0.023	0.037	0.007	---	---	---	1966
1967	---	---	---	---	0.061	0.003	0.049	0.052	0.081	0.034	---	---	0.047	1967
1968	---	---	---	---	0.012	0.041	0.087	0.019	0.035	0.001	---	---	0.032	1968
1969	---	---	---	---	0.019	0.061	0.016	0.047	0.026	0.006	---	---	0.026	1969
1970	---	---	---	---	0.050	0.038	0.046	0.060	0.056	0.017	---	---	0.045	1970
1971	---	---	---	0	0.004	0.049	0.111	0.128	0.098	0.045	---	---	0.072	1971
1972	---	---	---	---	0.090	0.146	0.121	0.116	0.064	0.004	---	---	0.081	1972
1973	---	---	---	---	0.081	0.137	0.125	0.107	0.058	0.068	---	---	0.096	1973
1974	---	---	---	---	0	0.062	0.109	0.091	0.138	0.045	---	---	0.074	1974
1975	---	---	---	---	0.005	0.002	0.123	0.212	0.093	0.028	---	---	0.077	1975
1976	---	---	---	---	0.086	0.198	0.229	0.228	0.214	0.055	---	---	0.168	1976
1977	---	---	---	---	0.154	0.228	0.239	0.135	0.126	0.018	---	---	0.150	1977
1978	---	---	---	---	0.007	0.029	0.246	0.123	0.038	0.019	---	---	0.078	1978
1979	---	---	---	---	0.012	0.155	0.145	0.134	0.102	0.020	---	---	0.094	1979
1980	---	---	---	---	0.118	0.049	0.231	0.245	0.197	0.088	---	---	0.154	1980
1981	---	---	---	---	0.037	---	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.043	0.122	0.208	0.218	0.226	0.125	---	---	0.157	1982
MEAN	---	---	---	0	0.045	0.082	0.133	0.121	0.099	0.036	---	---	0.090	MEAN

LOCATION - LAT 49 49 38 N
LONG 112 25 46 W   REGULATED

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0.178 ON JUL 25	0 ON JUN 1 *	---	1966
1967	---	0.280 ON MAY 7	0 ON MAY 1	743	1967
1968	---	0.187 ON JUL 5	0 ON MAY 1	514	1968
1969	---	0.088 ON JUN 23	0 ON MAY 1	412	1969
1970	---	0.258 ON MAY 23	0 ON MAY 1	709	1970
1971	---	0.221 ON AUG 23	0 ON MAY 1	1 150	1971
1972	---	0.255 ON JUL 17	0 ON MAY 1	1 290	1972
1973	---	0.278 ON JUL 2	0 ON MAY 1	1 520	1973
1974	---	0.286 ON SEP 22	0 ON MAY 3	1 170	1974
1975	---	0.538 ON AUG 17	0 ON MAY 18	1 230	1975
1976	---	0.541 ON AUG 6	0 ON MAY 1	2 670	1976
1977	---	0.388 ON JUL 11	0 ON OCT 26	2 380	1977
1978	---	0.391 ON JUL 18	0 ON MAY 20	1 230	1978
1979	---	0.589 ON AUG 24	0 ON MAY 1	1 500	1979
1980	---	0.930 ON JUL 20 *	0 ON MAY 1	2 460	1980
1981	---	---	---	---	1981
1982	---	0.406 ON AUG 25	0E ON MAY 1	2 490	1982
				1 430	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.032	0.206	1.79	1.26	1.22	1.00	0.331	0.144	---	0.749	1961
1962	---	---	---	0.009	0.337	1.34	1.25	1.54	0.699	0.558	0.154	---	0.740	1962
1963	---	---	---	0.318	1.50	1.50	0.868	1.96	1.57	0.734	0.300	---	1.10	1963
1964	---	---	---	0.039	0.022	0.825	1.29	1.79	1.14	0.922	0.290	---	0.793	1964
1965	---	---	---	0.013	0.326	0.760	0.681	1.58	0.513	0.175	0.170	---	0.530	1965
1966	---	---	---	0	0.373	0.673	1.29	1.53	1.10	0.573	0.090	---	0.708	1966
1967	---	---	---	0	0.291	0.273	0.988	2.14	1.50	0.649	0.007	---	0.735	1967
1968	---	---	---	0	0.346	0.520	0.889	1.13	0.450	0.153	0.001	---	0.440	1968
1969	---	---	---	0.062	0.454	1.27	0.927	1.37	1.25	0.562	0	---	0.739	1969
1970	---	---	---	0	0.360	1.10	1.08	1.53	1.20	0.579	0.136	---	0.751	1970
1971	---	---	---	0	0.514	0.652	1.32	1.46	0.973	0.507	0.057	---	0.690	1971
1972	---	---	---	0	0.168	0.715	0.734	0.647	1.08	0.421	0.034	---	0.475	1972
1973	---	---	---	0	0.665	1.60	1.82	1.71	1.19	0.916	0	---	0.992	1973
1974	---	---	0	0.008	0.007	0.542	1.17	1.16	0.571	0.391	0.042	---	0.490	1974
MEAN	---	---	0	0.034	0.398	0.969	1.11	1.48	1.02	0.534	0.102	---	0.709	MEAN

LOCATION - LAT 49 06 45 N
LONG 113 36 50 W REGULATED

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	2.83 ON JUN 9 *	0 ON APR 1 *	15 800	1961
1962	---	2.61 ON OCT 7	0B ON APR 16	15 600	1962
1963	---	2.47 ON AUG 19	0 ON APR 1	23 100	1963
1964	---	2.70 ON AUG 15	0 ON APR 1	16 700	1964
1965	---	1.93 ON AUG 24	0 ON NOV 15	11 200	1965
1966	---	2.06 ON AUG 17	0 ON APR 1	14 900	1966
1967	---	2.39 ON AUG 25	0 ON APR 1	15 500	1967
1968	---	1.54 ON AUG 15	0 ON APR 1	9 280	1968
1969	---	2.06 ON JUN 9	0 ON APR 1	15 600	1969
1970	---	1.95 ON JUN 13	0 ON APR 1	15 800	1970
1971	---	1.73 ON JUL 24	0B ON APR 1	14 600	1971
1972	---	1.72 ON SEP 6	0 ON APR 1	10 000	1972
1973	---	2.17 ON JUL 21	0E ON APR 1	20 900	1973
1974	---	1.58 ON AUG 10	0E ON APR 1	10 300	1974
				14 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.470	0.239	0.195	---	---	---	---	1978
1979	---	---	---	---	---	0.828	0.249	0.073	0.030	0.049	---	---	---	1979
1980	---	---	---	---	---	1.42	0.285	0.111	0.135	0.171	---	---	---	1980
1981	---	---	---	---	---	1.10	0.342	0.096	0.034	0.066	---	---	---	1981
1982	---	---	---	---	---	0.840	0.303	0.047	0.036	0.045	---	---	---	1982
MEAN	---	---	---	---	---	1.05	0.330	0.113	0.086	0.083	---	---	---	MEAN

LOCATION - LAT 49 00 50 N DRAINAGE AREA, 37.8 km^2
LONG 113 32 20 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.68A ON MAY 23	---	---	1979
1980	---	---	---	---	1980
1981	11.8 AT 15:10 MST ON MAY 15 *	4.28 ON MAY 15 *	---	---	1981
1982	---	1.20 ON JUN 7	---	---	1982
MEAN				---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT BEAZER - STATION NO. 05AE037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	3.61	3.93	2.13	1.10	1.09	0.760	---	---	2.10	1978
1979	---	---	---	---	6.23	3.13	1.85	0.421	0.241	0.285	---	---	1.89	1979
1980	---	---	---	---	5.78	5.38	---	---	---	0.697	---	---	---	1980
1981	---	---	---	---	10.1	5.01	1.72	0.633	0.331	0.292	---	---	3.01	1981
1982	---	---	---	---	---	3.17	1.20	0.363	0.306	0.325	---	---	---	1982
MEAN	---	---	---	---	6.43	4.12	1.53	0.629	0.492	0.464	---	---	2.33	MEAN

LOCATION - LAT 49 06 45 N
LONG 113 29 00 W

DRAINAGE AREA, 175 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT BEAZER - STATION NO. 05AE037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	10.8 ON JUN 1	0.530 ON SEP 3	33 400	1978
1979	---	8.99 ON MAY 16	0.190 ON SEP 30 *	30 000	1979
1980	---	---	---	---	1980
1981	60.0 AT 16:49 MST ON MAY 15 *	29.6 ON MAY 22 *	0.263 ON OCT 31	47 900	1981
1982	---	4.64 ON JUN 7	---	---	1982
MEAN				37 100	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT CARDSTON - STATION NO. 05AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.557	0.285	---	---	---	1909
1910	---	---	---	0.867	1.72	1.30	0.382	0.195	1.80	1.39	---	---	---	1910
1911	---	---	---	---	10.1	6.87	2.36	2.57	6.91	---	---	---	---	1911
1912	---	---	---	---	---	---	---	0.813	0.725	0.741	0.763	0.466	---	1912
1913	0.257	0.368	1.68	8.29	6.34	5.10	2.18	1.06	0.480	0.914	---	---	---	1913
1914	---	---	---	2.45	3.74	2.42	---	---	---	---	---	---	---	1914
1920	---	---	---	---	---	---	---	0.537	0.258	0.273	0.254	0.139	---	1920
1921	0.138	0.300	0.600	3.16	6.03	3.96	0.994	0.259	0.313	0.303	0.223	0.286	1.38	1921
1922	0.219	0.060	0.088	1.93	6.59	4.67	1.93	0.375	0.234	0.261	0.258	0.224	1.41	1922
1923	0.161	0.225	0.390	1.31	3.85	6.59	1.97	0.840	0.316	0.517	0.311	0.375	1.41	1923
1924	0.292	0.761	0.327	1.30	3.56	7.50	2.03	1.57	0.436	0.483	0.366	0.276	1.57	1924
1925	0.456	0.467	1.67	3.61	5.03	3.76	0.903	0.366	0.595	1.01	0.418	0.570	1.64	1925
1926	0.298	0.323	0.531	1.28	0.871	1.14	0.418	0.203	0.935	1.68	0.618	0.167	0.706	1926
1927	0.200	0.301	1.32	5.52	19.9	17.8	4.09	2.57	4.73	3.99	2.01	1.30	5.33	1927
1928	2.79	0.870	4.30	3.38	4.98	6.30	6.80	1.63	0.924	1.25	1.07	0.592	2.92	1928
1929	0.377	0.329	3.50	2.51	6.72	4.85	1.35	0.243	0.308	0.390	0.431	0.248	1.78	1929
1930	0.166	1.30	2.19	4.52	6.16	3.38	0.848	0.189	0.307	0.331	0.353	0.223	1.66	1930
1931	0.281	0.422	0.431	0.688	1.15	0.746	0.226	0.181	0.267	0.298	0.291	0.151	0.420	1931
1932	0.063	0.215	0.758	2.53	3.97	2.58	0.599	0.200	0.116	0.197	0.418	0.142	0.978	1932
1933	0.133	0.130	0.598	2.01	5.50	3.15	0.616	0.199	0.218	0.436	0.162	0.378	1.13	1933
1934	0.775	1.01	1.23	3.62	2.74	5.91	1.21	0.178	0.280	0.878	1.48	0.625	1.65	1934
1935	1.74	1.18	0.750	2.67	4.46	2.51	0.598	0.084	0.135	0.192	0.165	0.185	1.22	1935
1936	0.153	0.030	1.40	1.82	1.40	1.06	0.055	0.014	0.056	0.159	0.177	0.104	0.536	1936
1937	0.028	0.055	0.459	1.49	2.02	7.48	1.05	0.262	0.169	0.463	0.256	0.209	1.15	1937
1938	0.186	0.225	0.517	2.49	6.25	3.69	1.83	0.280	0.187	0.193	0.156	0.119	1.35	1938
1939	0.139	0.079	0.987	1.16	0.763	1.46	0.359	0.098	0.202	0.360	0.246	0.188	0.504	1939
1940	0.078	0.148	1.61	1.10	3.75	0.807	0.446	0.114	0.485	0.438	0.325	0.269	0.802	1940
1941	0.197	0.115	0.328	1.48	1.37	1.83	1.03	0.290	0.459	0.472	0.309	0.257	0.679	1941
1942	0.230	0.164	0.261	2.07	4.34	8.80	2.42	1.06	0.799	0.626	0.575	0.572	1.83	1942
1943	0.406	0.423	1.26	4.53	6.09	7.33	2.10	0.437	0.297	0.264	0.259	0.148	1.96	1943
1944	0.141	0.102	0.257	0.915	0.828	1.49	0.727	0.237	0.177	0.205	0.154	0.136	0.447	1944
1945	0.182	0.166	0.325	0.596	3.56	7.95	1.52	0.251	0.417	0.402	0.440	0.300	1.38	1945
1946	0.221	0.302	0.630	1.61	2.33	1.95	0.659	0.151	0.270	0.740	0.558	0.659	0.842	1946
1947	0.467	1.69	2.88	5.76	6.96	3.90	0.945	0.398	0.791	0.988	1.05	0.804	2.22	1947
1948	0.500	0.396	0.811	5.73	14.3	20.7	3.84	1.17	0.421	0.334	0.160	0.119	4.03	1948
1949	0.183	0.132	0.637	2.29	4.03	2.40	0.596	0.109	0.263	0.342	0.401	0.211	0.969	1949
1950	0.149	0.393	0.868	3.16	7.47	7.93	2.93	0.744	0.313	0.458	0.378	0.459	2.11	1950
1951	0.300	0.602	1.73	4.85	14.4	15.4	8.75	4.01	6.04	4.66	3.26	1.30	5.46	1951
1952	0.976	1.40	2.45	6.13	3.68	2.12	1.21	0.970	0.629	0.512	0.485	0.415	1.74	1952
1953	0.409	0.414	1.77	4.50	11.9	23.2	2.44	0.663	0.400	0.341	0.391	0.334	3.89	1953
1954	0.207	0.777	0.737	3.28	9.88	5.22	1.77	0.544	0.592	0.862	0.598	0.407	2.08	1954
1955	0.370	0.192	1.72	3.51	12.3	7.94	2.86	0.502	0.306	0.425	0.270	0.220	2.57	1955
1956	0.156	0.148	1.04	2.17	5.72	2.98	2.24	0.734	0.391	0.267	0.294	0.210	1.37	1956
1957	0.215	0.551	0.772	1.74	7.31	3.51	0.686	0.258	0.324	0.772	0.853	0.357	1.45	1957
1958	0.376	0.438	0.687	3.17	4.46	6.33	2.69	0.772	0.404	0.409	0.436	0.407	1.72	1958
1959	0.455	0.427	2.50	2.93	6.97	4.42	1.21	0.415	0.463	0.608	0.556	0.561	1.80	1959
1960	0.344	0.286	2.36	2.56	6.07	2.94	0.787	0.451	0.330	0.345	0.302	0.252	1.42	1960
1961	0.134	0.380	0.525	0.621	3.63	2.40	0.691	0.299	0.569	0.655	0.483	0.282	0.892	1961
1962	0.618	0.681	1.17	3.63	3.55	3.05	0.956	0.333	0.380	0.332	0.203	0.141	1.25	1962
1963	0.118	0.696	0.294	0.802	1.92	3.62	1.53	0.390	0.279	0.257	0.226	0.220	0.859	1963
1964	0.132	0.183	0.232	1.22	10.2	19.8	2.04	0.554	0.738	0.620	0.368	0.232	3.02	1964
1965	0.408	0.614	0.727	5.37	6.18	8.77	3.04	1.01	1.58	1.15	0.854	0.624	2.53	1965
1966	0.403	0.377	2.48	3.32	4.08	9.29	2.20	0.867	0.506	0.769	0.595	0.405	2.11	1966
1967	0.381	0.637	1.41	1.96	14.3	13.6	2.49	0.636	0.357	0.318	0.307	0.236	3.06	1967
1968	0.482	0.554	0.861	1.25	3.60	3.50	1.45	0.962	2.69	2.86	1.46	0.727	1.70	1968
1969	0.684	0.328	1.99	5.62	3.26	7.80	3.90	0.523	0.367	0.544	0.293	0.104	2.12	1969
1970	0.124	0.174	0.387	1.33	5.94	6.92	1.33	0.422	0.458	0.489	0.305	0.148	1.50	1970
1971	0.185	0.515	0.419	2.43	6.03	4.36	1.53	0.383	0.452	0.516	0.495	0.169	1.46	1971
1972	0.191	0.189	4.02	4.04	9.84	6.84	2.89	1.38	0.927	0.628	0.622	0.416	2.67	1972
1973	0.542	0.365	0.682	1.64	3.69	2.04	0.598	0.271	0.308	0.282	0.275	0.173	0.908	1973
1974	0.304	0.158	0.844	2.49	5.37	4.56	1.16	0.580	0.447	0.366	0.407	0.209	1.41	1974
1975	0.220	0.094	0.186	2.35	11.7	18.1	3.38	1.16	0.601	0.750	0.495	1.03	3.34	1975
1976	0.531	0.495	1.28	2.80	5.16	3.01	1.27	0.958	0.367	0.284	0.346	0.299	1.40	1976
1977	0.239	0.359	0.316	1.01	0.705	0.367	0.199	0.345	0.296	0.256	0.138	0.141	0.364	1977
1978	0.128	0.218	1.13	1.62	3.87	3.89	2.09	1.19	1.25	0.759	0.426	0.396	1.42	1978
1979	0.312	0.186	2.83	3.78	7.52	3.27	1.05	0.412	0.213	0.142	0.141	0.132	1.68	1979
1980	0.091	0.371	0.405	2.28	5.79	5.91	1.16	0.803	0.957	0.730	0.672	0.952	1.68	1980
1981	1.01	0.870	1.36	2.34	14.9	10.5	1.99	0.659	0.293	0.411	0.242	0.125	2.91	1981
1982	0.006	0.009	0.509	2.31	2.18	3.43	1.33	0.318	0.266	0.296	0.180	0.184	0.919	1982
MEAN	0.359	0.419	1.17	2.72	5.85	5.88	1.74	0.651	0.740	0.670	0.500	0.354	1.75	MEAN

LOCATION - LAT 49 12 00 N DRAINAGE AREA, 307 km²
LONG 113 17 45 W REGULATED

LEE CREEK AT CARDSTON - STATION NO. 05AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	3.91 ON MAY 19	---	---	1910
1911	---	39.6 ON MAY 15	---	---	1911
1912	---	---	---	---	1912
1913	---	18.5 ON APR 8	0.178B ON JAN 23	---	1913
1914	---	6.26B ON MAR 29	---	---	1914
1920	---	---	---	---	1920
1921	---	8.95 ON APR 2	0.085B ON NOV 20	43 700	1921
1922	---	10.0 ON APR 29	0.021B ON FEB 22	44 400	1922
1923	---	22.0 E ON JUN 22	0.122B ON JAN 25	44 400	1923
1924	---	26.5 E ON JUN 7	0.187B ON JAN 3	49 600	1924
1925	---	8.58 ON MAY 3	0.227 ON AUG 3	51 800	1925
1926	---	3.54 ON JUN 21	0.110 ON JUL 31	22 300	1926
1927	---	81.8 ON MAY 31	0.110B ON JAN 17	168 000	1927
1928	---	29.7 ON JUL 1	0.439B ON DEC 31	92 200	1928
1929	---	15.5 ON JUN 3	0.110 ON AUG 28	56 200	1929
1930	---	10.7 ON MAY 4	0.068 ON AUG 28	52 300	1930
1931	---	1.81 ON MAY 30	0.040 ON JUL 27	13 200	1931
1932	---	6.82 ON MAY 21	0.011B ON FEB 13	30 900	1932
1933	---	7.08 ON MAY 14	0.062B ON FEB 7	35 700	1933
1934	---	28.6 ON JUN 7	0.085B ON DEC 25	52 100	1934
1935	---	14.2 B ON JAN 25	0.020 ON AUG 28	38 300	1935
1936	---	17.8 B ON MAR 2	0 B ON FEB 18 *	17 000	1936
1937	---	57.2 ON JUN 13	0.023 ON SEP 20	36 400	1937
1938	---	11.0 ON MAY 2	0 B ON DEC 31	42 500	1938
1939	---	3.96 ON MAR 21	0 B ON FEB 13	15 900	1939
1940	---	8.86B ON MAR 16	0.014B ON JAN 23	25 300	1940
1941	---	4.93 ON JUN 2	0.062 ON AUG 23	21 400	1941
1942	---	44.2 ON JUN 5	0.085B ON FEB 10	57 600	1942
1943	---	9.88 ON JUN 9	0.079B ON DEC 19	61 800	1943
1944	---	6.09 ON JUN 27	0.023 ON AUG 9	18 100	1944
1945	---	22.2 ON JUN 6	0.079 ON SEP 4	42 300	1945
1946	---	3.88 ON MAY 28	0.023 ON AUG 23	26 600	1946
1947	---	14.8 ON MAY 3	0.170B ON MAR 5	69 900	1947
1948	---	130 ON JUN 17	0.059B ON DEC 23	127 000	1948
1949	---	13.8 ON MAY 22	0.048 ON AUG 21	30 600	1949
1950	---	13.2 ON MAY 13	0.085B ON JAN 4	66 500	1950
1951	221 AT 17:00 MST ON JUN 24	110 ON JUN 24	0.136B ON JAN 21	172 000	1951
1952	---	12.4 B ON MAR 27	0.255B ON DEC 19	55 100	1952
1953	170 A AT 24:00 MST ON JUN 3	96.8 A ON JUN 4	0.227B ON JAN 7	123 000	1953
1954	---	20.3 ON MAY 19	0.057B ON DEC 26	65 600	1954
1955	---	46.4 ON MAY 18	0.028B ON MAR 4	81 000	1955
1956	---	11.8 A ON JUL 4	0.057B ON OCT 31	43 300	1956
1957	16.1 AT 08:00 MST ON MAY 14	12.5 ON MAY 14	0.113B ON JAN 14	45 800	1957
1958	15.5 AT 07:00 MST ON JUN 10	11.7 ON JUN 10	0.113B ON FEB 7	54 000	1958
1959	17.0 AT 01:00 MST ON MAY 19	13.5 ON MAY 19	0.198B ON JAN 21	56 900	1959
1960	10.6 AT 05:00 MST ON MAY 13	9.15 ON MAY 13	0.085B ON JAN 19	45 000	1960
1961	10.1 AT 04:00 MST ON MAY 31	7.25 ON MAY 31	0.057B ON JAN 4	28 100	1961
1962	10.3 AT 17:00 MST ON JUN 14	8.89 ON JUN 14	0.079B ON DEC 24	39 400	1962
1963	12.3 AT 13:00 MST ON JUN 10	8.33 ON JUN 10	0.057B ON JAN 24	27 100	1963
1964	323 AT 17:00 MST ON JUN 8 *	151 ON JUN 8 *	0.057B ON MAR 24	95 500	1964
1965	36.0 AT 13:00 MST ON JUN 17	22.5 ON JUN 17	0.176B ON DEC 29	79 700	1965
1966	68.5 AT 19:00 MST ON JUN 4	45.9 ON JUN 4	0.193B ON JAN 2	66 500	1966
1967	47.3 AT 07:30 MST ON JUN 9	34.8 ON JUN 9	0.130B ON DEC 8	96 400	1967
1968	13.3 AT 03:20 MST ON MAY 23	10.0 ON SEP 25	0.108B ON JAN 11	53 700	1968
1969	53.2 AT 09:25 MST ON JUN 26	38.2 ON JUN 26	0.059B ON DEC 25	66 800	1969
1970	54.1 AT 18:20 MST ON JUN 13	27.4 ON JUN 13	0.045B ON DEC 24	47 400	1970
1971	13.8 AT 13:00 MST ON MAY 6	11.5 ON MAY 6	0.079B ON JAN 1	46 000	1971
1972	24.1 B AT 17:10 MST ON MAR 10	17.7 ON MAY 26	0.139B ON JAN 4	84 600	1972
1973	7.08 AT 06:00 MST ON MAY 18	6.26 ON MAY 18	0.127B ON DEC 28	28 600	1973
1974	15.3 AT 22:10 MST ON APR 30	12.1 ON MAY 1	0.079B ON DEC 31	44 500	1974
1975	226 AT 03:00 MST ON JUN 20	146 ON JUN 20	0.025B ON FEB 7	105 000	1975
1976	12.7 AT 00:00 MST ON MAR 18	8.18 ON MAY 6	0.224 ON OCT 14	44 300	1976
1977	2.24B AT 20:30 MST ON APR 6	1.99 ON APR 9	0.051B ON NOV 21	11 500	1977
1978	22.3 AT 01:30 MST ON JUN 1	13.8 ON JUN 1	0.028B ON FEB 16	44 800	1978
1979	11.6 AT 02:25 MST ON MAY 17	10.1 ON MAY 16	0.051 ON OCT 1	52 800	1979
1980	58.3 AT 15:10 MST ON MAY 26	46.6 ON MAY 26	0.019B ON JAN 12	53 000	1980
1981	144 AT 18:30 MST ON MAY 22	62.4 ON MAY 22	0.030B ON DEC 30	91 700	1981
1982	---	10.0 B ON APR 13	0.001B ON JAN 8	29 000	1982
				55 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.32	1.99	1.01	0.563	0.871	1.01	0.289	---	1913
1914	0.437	0.262	0.592	2.33	3.59	2.65	0.966	0.569	0.474	1.83	1.69	0.468	1.32	1914
1915	0.491	0.387	0.736	1.77	4.95	10.2	4.28	2.60	2.02	2.58	1.59	1.02	2.72	1915
1916	0.500	1.72	2.67	3.69	7.08	13.4	5.05	1.37	0.933	0.994	1.01	0.667	3.25	1916
1917	0.456	0.484	0.480	1.65	8.54	9.73	2.16	0.531	0.412	0.436	0.459	0.345	2.14	1917
1918	1.11	0.363	0.777	2.17	3.23	1.96	0.630	0.322	0.364	0.385	0.207	0.199	0.980	1918
1919	0.302	0.287	0.387	1.18	1.73	0.896	0.183	0.121	0.093	0.249	0.307	0.154	0.491	1919
1920	0.309	0.316	0.447	2.43	8.45	5.28	1.88	---	---	---	---	---	---	1920
MEAN	0.515	0.546	0.870	2.17	5.37	6.05	2.14	0.932	0.694	1.05	0.896	0.449	1.82	MEAN

LOCATION - LAT 49 08 51 N   DRAINAGE AREA, 230 km^2
LONG 113 23 14 W   NATURAL FLOW

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	5.04 ON OCT 16	0.147B ON FEB 21	41 800	1914
1915	---	15.9 ON JUN 15	0.263B ON MAR 5	86 000	1915
1916	---	25.9 ON JUN 29 *	0.241B ON JAN 31	103 000	1916
1917	---	19.0 ON MAY 27	0.113B ON DEC 3	67 600	1917
1918	---	3.94 ON MAY 17	0.105B ON NOV 24	30 900	1918
1919	---	2.12 ON APR 29	0.057 ON AUG 24 *	15 500	1919
1920	---	17.2 ON MAY 17	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 500	MEAN

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	5.51	3.26	1.20	0.458	0.219	0.233	0.202	0.069	1.81	1981
1982	---	---	---	---	1.54	2.51	0.942	0.228	0.224	0.240	---	---	0.942	1982
MEAN	---	---	---	---	3.53	2.89	1.07	0.343	0.222	0.237	0.202	0.069	1.38	MEAN

LOCATION - LAT 49 01 30 N
LONG 113 02 30 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	12.5 ON MAY 15 *	0.169 ON SEP 30	28 900	1981
1982	---	3.15 ON JUN 30	0.154 ON SEP 9 *	15 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 000	MEAN

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	0.991	0.616	0.238	0.268	0.263	0.185	0.180	---	1941
1942	0.158	0.128	0.168	1.14	3.30	5.79	1.96	0.904	0.711	0.529	0.455	0.342	1.30	1942
1943	0.269	0.278	0.403	3.17	4.85	6.09	2.04	0.520	0.317	0.306	0.263	0.131	1.55	1943
1944	0.110	0.066	0.127	0.486	---	---	0.693	0.349	0.240	0.225	0.155	0.113	---	1944
1945	0.142	0.142	0.209	0.357	2.76	5.93	1.35	0.330	0.320	---	---	---	---	1945
MEAN	0.170	0.159	0.227	1.29	3.64	4.70	1.33	0.468	0.371	0.331	0.265	0.192	1.43	MEAN

LOCATION - LAT 49 03 50 N DRAINAGE AREA, 109 km²
LONG 113 31 00 W NATURAL FLOW

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	---	16.3 ON JUN 6 *	0.085B ON FEB 6	41 000	1942
1943	---	9.23 ON JUN 13	0.059B ON DEC 22 *	49 000	1943
1944	---	---	0.062B ON MAR 3	---	1944
1945	---	11.2 ON JUN 7	---	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		45 000	MEAN

LESSER SLAVE RIVER ABOVE OTAUWAU RIVER - STATION NO. 07BK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	1922
MEAN	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	MEAN

LOCATION - LAT 55 16 40 N DRAINAGE AREA, 14 500 km²
LONG 114 24 30 W NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2 - STATION NO. 07BK006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	88.6	82.4	73.4	67.2	---	---	---	---	---	1963
1964	---	31.8	31.0	41.7	52.8	55.3	61.4	82.9	86.1	80.8	69.0	43.8	---	1964
1965	41.6	41.8	45.0	66.1	105	107	108	98.7	101	92.1	77.6	49.2	78.1	1965
1966	44.1	51.2	59.6	73.4	79.8	78.4	68.2	63.2	59.1	53.8	39.8	33.1	58.7	1966
1967	30.1	27.9	27.7	37.5	57.4	57.3	52.2	44.3	38.1	32.0	20.6	13.5	36.6	1967
1968	16.7	15.9	19.7	28.5	31.5	36.6	36.2	33.7	32.7	28.8	17.3	14.9	26.1	1968
1969	14.4	13.0	14.7	27.7	31.6	29.1	26.4	23.5	25.5	25.1	18.9	18.1	22.4	1969
1970	15.0	15.3	17.4	28.7	38.1	41.6	54.4	44.0	41.4	37.4	30.4	20.9	32.1	1970
1971	17.8	18.0	18.8	36.5	49.3	57.8	90.3	84.2	73.8	65.3	46.3	33.8	49.5	1971
1972	30.7	30.4	37.1	52.3	69.9	73.7	76.5	68.6	60.5	56.3	42.2	33.7	52.7	1972
1973	31.9	31.2	35.6	45.5	60.6	77.2	77.3	71.6	68.2	64.4	52.5	37.4	54.6	1973
1974	32.8	34.8	35.0	57.6	97.7	92.3	98.8	91.8	87.4	82.8	68.1	44.6	68.8	1974
1975	44.6	44.6	47.2	55.7	67.1	68.7	82.2	75.5	79.0	69.3	60.4	37.3	61.0	1975
1976	38.6	39.3	42.6	61.1	68.5	72.3	90.0	91.8	103	94.2	78.8	52.9	69.5	1976
1977	43.2	51.2	57.0	82.1	101	117	121	112	106	96.3	77.5	49.7	84.6	1977
1978	46.8	44.9	58.7	74.1	87.3	88.4	82.7	72.4	75.2	73.7	58.2	42.0	67.1	1978
1979	33.3	31.5	42.6	54.1	78.9	101	132	119	108	97.6	87.1	57.1	78.7	1979
1980	42.2	44.2	57.0	65.0	65.6	67.9	65.3	62.6	58.5	54.4	48.0	29.1	55.0	1980
1981	27.8	29.6	40.6	49.3	56.5	57.9	53.7	46.0	36.8	31.4	28.6	16.6	39.6	1981
1982	14.1	14.6	15.3	24.2	35.7	35.2	36.3	47.7	41.9	35.8	22.7	19.9	28.7	1982
MEAN	31.4	32.2	37.0	50.6	66.1	69.9	74.3	70.0	67.5	61.7	49.7	34.1	53.5	MEAN

LOCATION - LAT 55 17 39 N DRAINAGE AREA, 14 400 km²
LONG 114 35 26 W NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2 - STATION NO. 07BK006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	95.1 AT 01:00 MST ON SEP 6	94.0 ON SEP 5	---	---	1964
1965	125 AT 21:00 MST ON JUN 29	123 ON JUN 29	36.8 B ON JAN 1	2 460 000	1965
1966	101 AT 03:00 MST ON OCT 2	89.5 ON JUN 2	30.3 B ON NOV 30	1 850 000	1966
1967	66.3 AT 19:00 MST ON MAY 19	65.7 ON MAY 19	4.81B ON NOV 29 *	1 150 000	1967
1968	64.0 AT 20:00 MST ON JUN 13	56.9 ON JUN 14	7.93B ON NOV 19	824 000	1968
1969	45.3 AT 13:00 MST ON APR 30	43.6 ON APR 30	12.5 B ON FEB 11	706 000	1969
1970	---	72.8 ON JUL 1	12.2 B ON JAN 6	1 010 000	1970
1971	93.7 AT 18:00 MST ON JUL 7	93.7 ON JUL 5	17.3 B ON JAN 15	1 560 000	1971
1972	90.6 AT 23:00 MST ON JUN 19	90.0 ON JUN 19	28.9 B ON DEC 25	1 670 000	1972
1973	92.3 AT 19:30 MST ON JUN 18	92.0 ON JUN 18	26.7 B ON JAN 3	1 720 000	1973
1974	114 AT 02:00 MST ON JUL 15	114 ON JUL 15	30.3 B ON FEB 14	2 170 000	1974
1975	98.5 AT 20:00 MST ON JUL 19	97.7 ON JUL 19	32.6 B ON DEC 14	1 920 000	1975
1976	109 AT 03:00 MST ON AUG 28	109 ON AUG 28	31.1 B ON MAR 2	2 200 000	1976
1977	128 AT 00:00 MST ON JUL 20	128 ON JUL 18	36.5 B ON JAN 29	2 670 000	1977
1978	96.0 AT 17:00 MST ON MAY 1	96.0 ON MAY 1	36.0 B ON DEC 30	2 120 000	1978
1979	146 AT 14:00 MST ON JUL 17 *	146 ON JUL 17 *	30.8 B ON FEB 18	2 480 000	1979
1980	80.0 AT 18:00 MST ON AUG 6	77.4 ON AUG 6	17.5 B ON DEC 19	1 740 000	1980
1981	63.0 AT 15:30 MST ON JUL 8	62.4 ON JUN 22	13.5 B ON DEC 30	1 250 000	1981
1982	64.9 AT 23:43 MST ON AUG 4	63.0 ON AUG 5	13.2 B ON JAN 2	906 000	1982
MEAN				1 690 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESSER SLAVE RIVER AT SAULTEAUX LANDING - STATION NO. 07BK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	1922
MEAN	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	MEAN

LOCATION - LAT 55 16 00 N DRAINAGE AREA, 15 100 km²
LONG 114 18 50 W NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	62.3	61.8	58.5	50.1	43.0	26.7	18.9	---	1915
1916	17.2	20.5	22.6	30.0	39.2	44.6	49.2	46.2	36.5	30.6	26.6	20.3	32.0	1916
1917	17.7	17.1	15.9	22.3	33.3	47.5	49.1	44.9	38.7	36.7	31.4	16.8	31.0	1917
1918	19.3	16.8	18.3	18.8	25.5	28.1	30.4	33.3	31.0	29.8	23.8	17.9	24.5	1918
1919	18.6	17.0	17.4	19.9	24.6	36.7	54.1	55.3	45.1	40.7	30.9	29.0	32.5	1919
1920	27.8	26.2	27.3	30.2	42.9	75.7	106	99.1	91.9	89.6	68.0	44.0	60.9	1920
1921	42.5	52.1	56.9	58.6	63.1	68.3	73.0	73.0	64.3	50.4	37.6	41.6	56.8	1921
1922	29.9	28.6	32.6	36.4	54.5	60.5	51.4	51.7	42.9	37.6	29.4	21.9	39.8	1922
1923	19.7	19.1	21.5	25.5	33.0	39.3	43.6	41.6	34.3	27.1	23.5	16.8	28.8	1923
1924	12.9	18.5	20.5	20.7	20.7	21.8	22.5	24.7	27.9	26.0	23.6	21.7	21.8	1924
1925	19.5	18.4	21.7	26.7	39.8	47.1	44.1	38.1	35.3	30.0	27.9	24.8	31.2	1925
1926	24.2	24.6	23.6	24.4	33.5	53.4	55.7	43.8	40.9	42.0	37.9	28.2	36.1	1926
1927	20.6	17.5	23.6	29.2	39.4	55.0	95.9	101	89.6	81.0	52.1	37.1	53.8	1927
1928	43.7	51.7	57.6	60.4	67.7	71.5	70.4	61.8	52.3	46.7	33.4	27.3	53.7	1928
1929	24.7	21.4	21.6	25.8	44.8	59.7	50.1	48.4	46.2	44.3	35.0	22.6	37.1	1929
1930	23.9	22.4	22.5	34.7	49.3	88.3	106	92.3	80.5	68.6	56.1	49.6	58.1	1930
1931	34.5	26.1	39.7	42.3	41.1	49.5	55.1	49.4	46.7	41.4	---	---	---	1931
1935	---	---	---	---	---	156	219	214	183	140	94.0	79.3	---	1935
1936	69.8	61.0	54.9	53.7	96.8	112	125	116	105	101	91.6	81.0	89.1	1936
1937	55.5	48.7	47.7	65.1	81.3	88.2	78.3	70.7	67.7	56.9	47.7	38.3	62.2	1937
1938	33.9	33.0	45.5	49.6	49.8	43.7	40.0	34.1	30.1	26.9	23.9	22.4	36.1	1938
1939	19.9	19.2	21.1	25.8	28.7	28.7	27.7	24.5	21.5	20.0	21.8	21.2	23.3	1939
1940	14.0	13.3	16.5	19.7	25.9	31.8	30.3	27.6	22.4	---	---	---	---	1940
1960	---	---	---	---	---	---	---	29.6	26.7	22.1	15.0	13.7	---	1960
1961	15.3	13.3	14.3	18.9	23.0	34.8	31.7	41.1	35.5	32.8	10.6	13.8	23.8	1961
1962	13.8	14.0	14.2	17.3	39.4	63.1	63.4	57.1	44.9	---	---	---	---	1962
MEAN	26.9	26.1	28.6	32.9	43.4	58.7	65.4	60.7	53.5	48.6	37.8	30.8	41.6	MEAN

LOCATION - LAT 55 18 20 N DRAINAGE AREA, 13 600 km²
LONG 114 45 30 W NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	55.5 ON AUG 8	15.8 B ON JAN 4	1 010 000	1916
1917	---	62.0 ON JUL 19	8.78B ON JAN 11	978 000	1917
1918	---	39.4 ON AUG 24	15.3 B ON FEB 15	772 000	1918
1919	---	78.4 ON JUL 17	16.4 B ON FEB 16	1 030 000	1919
1920	---	119 ON JUN 25	24.1 B ON JAN 30	1 920 000	1920
1921	---	81.0 ON AUG 2	32.8 B ON NOV 24	1 790 000	1921
1922	---	67.4 ON MAY 26	20.1 B ON DEC 16	1 260 000	1922
1923	---	51.5 ON JUL 29	5.38B ON JAN 17 *	909 000	1923
1924	---	33.4 ON SEP 2	11.4 B ON JAN 26	689 000	1924
1925	---	51.0 ON JUL 1	18.2 B ON JAN 30	984 000	1925
1926	---	70.5 ON JUN 27	22.2 ON APR 10	1 140 000	1926
1927	---	110 ON JUL 26	16.5 B ON FEB 17	1 700 000	1927
1928	---	75.9 ON JUL 15	23.7 ON NOV 5	1 700 000	1928
1929	---	69.1 ON JUN 19	19.7 B ON MAR 7	1 170 000	1929
1930	---	112 ON JUL 15	19.0 B ON FEB 28	1 830 000	1930
1931	---	68.0 ON JUN 24	---	---	1931
1935	---	240 A ON JUL 15 *	---	---	1935
1936	---	130 ON JUL 26	49.8 B ON MAR 31	2 820 000	1936
1937	---	91.5 ON JUN 2	35.7 B ON DEC 31	1 960 000	1937
1938	---	51.3 ON APR 29	20.7 B ON DEC 31	1 140 000	1938
1939	---	30.9 ON MAY 22	18.0 B ON DEC 31	737 000	1939
1940	---	32.6 ON JUN 14	---	---	1940
1960	---	---	---	---	1960
1961	---	49.3 ON AUG 6	7.76B ON NOV 23	752 000	1961
1962	---	81.3 ON JUL 4	---	---	1962
MEAN				1 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO. 05AC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	0	0.797	0.939	5.82	2.42	0.835	1.12	0	---	1.51	1932
1934	---	---	---	0.062	4.75	1.42	4.39	3.52	0.843	1.04	0	---	2.03	1934
1935	---	---	---	0	0.820	6.33	6.06	2.72	2.01	3.11	0	---	2.64	1935
1936	---	---	---	0	0.993	4.37	7.85	2.00	1.93	1.17	0	---	2.30	1936
1937	---	---	---	0.200	2.20	1.95	---	2.68	1.90	1.18	0	---	---	1937
1938	---	---	---	0	0.649	4.31	7.88	1.69	1.52	1.57	0	---	2.21	1938
1939	---	---	---	0.123	3.25	0.640	4.80	4.03	1.79	1.66	0	---	2.06	1939
1940	---	---	---	0	0.942	5.75	5.36	2.68	0.950	0.875	0	---	2.08	1940
1941	---	---	---	0	2.24	3.33	5.94	2.42	0.783	0.794	0	---	1.95	1941
1942	---	---	---	0.629	0.695	0.041	0.263	2.00	0.520	0.528	0	---	0.589	1942
1943	---	---	---	0	0.756	4.86	7.41	4.27	1.72	2.82	0	---	2.75	1943
1944	---	---	---	0.650	2.20	2.50	5.72	3.44	2.18	1.62	0	---	2.30	1944
1945	---	---	---	0	0.558	0.588	5.02	5.15	1.34	0.945	0	---	1.72	1945
1946	---	---	---	0	2.93	0.602	4.86	3.91	1.69	0.832	0	---	1.87	1946
1947	---	---	---	0	0.680	0.629	6.19	2.57	1.04	1.36	0	---	1.58	1947
1948	---	---	---	0	0.008	0.252	3.56	2.77	2.40	1.95	0	---	1.38	1948
1949	---	---	---	0.168	1.65	2.14	6.95	3.63	2.82	2.05	0	---	2.44	1949
1950	---	---	---	0	0.499	5.04	5.04	3.84	3.35	1.32	0	---	2.39	1950
1951	---	---	---	0	0	0.123	0.821	2.81	0.034	0.466	0	---	0.539	1951
1952	---	---	---	0	0.298	1.08	1.81	2.32	1.16	1.18	0	---	0.987	1952
1953	---	---	---	0	0.425	0.071	2.70	4.41	1.78	1.37	0	---	1.36	1953
1954	---	---	---	0	0.831	3.80	5.69	3.16	0.511	0.541	0	---	1.83	1954
1955	---	---	---	0	0.278	1.17	0.712	4.84	2.42	0.756	0	---	1.28	1955
1956	---	---	---	0	0.502	2.35	1.45	2.98	1.01	0.994	0	---	1.17	1956
1957	---	---	---	0	1.61	1.83	5.70	3.55	2.56	0.935	0	---	2.04	1957
1958	---	---	---	0	1.19	2.44	2.58	3.61	2.47	2.19	0	---	1.82	1958
1959	---	---	---	0	0.593	1.97	3.60	3.27	1.46	0.941	0	---	1.49	1959
1960	---	---	---	0	0.658	2.70	7.93	3.21	2.77	2.76	0	---	2.52	1960
1961	---	---	---	0	2.25	7.90	6.76	4.04	3.07	1.24	0	---	3.17	1961
1962	---	---	---	0	2.29	3.69	5.26	3.68	1.84	3.18	0	---	2.51	1962
1963	---	---	---	0	4.07	3.39	0.194	2.74	1.95	2.78	0	---	1.90	1963
1964	---	---	---	0	0.643	2.58	5.48	4.48	1.82	2.88	0.873	---	2.36	1964
1965	---	---	---	0	0.323	1.27	0.824	2.54	0.874	0.898	0	---	0.846	1965
1966	---	---	---	0	0.741	0.732	0.825	1.65	1.77	1.25	0	---	0.875	1966
1967	---	---	---	0	0	0.179	4.51	3.91	2.77	2.60	0	---	1.76	1967
1968	---	---	---	0	1.20	2.86	3.67	2.03	0.535	0.346	0	---	1.34	1968
1969	---	---	---	0	0.993	1.12	0.712	2.28	1.66	0.784	0	---	0.947	1969
1970	---	---	---	0.103	1.47	2.02	4.03	3.19	1.55	1.60	0	---	1.76	1970
1971	---	---	---	0	0.862	2.17	5.04	3.42	1.34	1.09	0	---	1.75	1971
1972	---	---	---	0	0.300	2.96	2.67	3.03	1.05	0.953	0	---	1.38	1972
1973	---	---	---	0.106	4.38	4.38	9.85	5.28	1.93	2.54	0	---	3.59	1973
1976	---	---	---	---	---	6.49	8.90	2.07	1.65	---	---	---	---	1976
MEAN	---	---	---	0.050	1.28	2.50	4.51	3.20	1.66	1.47	0.021	---	1.83	MEAN

LOCATION - LAT 49 53 00 N
LONG 113 12 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO. 05AC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	8.61 ON JUL 22	0 ON APR 1 *	31 800	1932
1934	---	10.1 ON JUN 1	0 ON APR 1	42 800	1934
1935	---	11.3 ON JUN 28	0 ON APR 1	55 600	1935
1936	---	13.7 ON JUL 9 *	0 ON APR 1	48 500	1936
1937	---	---	---	---	1937
1938	---	11.2 ON JUN 22	0 ON APR 1	46 700	1938
1939	---	9.91 ON JUL 27	0 ON APR 1	43 400	1939
1940	---	10.8 ON JUN 21	0 ON APR 1	43 800	1940
1941	---	11.6 ON JUN 28	0 ON APR 1	41 200	1941
1942	---	4.79 ON AUG 21	0 ON APR 1	12 400	1942
1943	---	10.8 ON JUL 9	0 ON APR 1	57 900	1943
1944	---	9.06 ON JUL 20	0 ON APR 1	48 600	1944
1945	---	13.0 ON JUL 28	0 ON APR 1	36 200	1945
1946	---	9.32 ON JUL 27	0 ON APR 1	39 500	1946
1947	---	9.91 ON JUL 18	0 ON APR 1	33 300	1947
1948	---	6.94 ON JUL 23	0 ON APR 1	29 100	1948
1949	---	9.71 ON JUL 9	0 ON APR 1	51 500	1949
1950	---	8.92 ON JUN 21	0 ON APR 1	50 500	1950
1951	---	6.40 ON AUG 9	0 ON APR 1	11 400	1951
1952	---	7.08 ON AUG 6	0 ON APR 1	20 800	1952
1953	---	7.56 ON JUL 23	0 ON APR 1	28 600	1953
1954	---	9.49 ON JUN 26	0 ON APR 1	38 500	1954
1955	---	7.84 ON AUG 11	0 ON APR 1	27 000	1955
1956	---	8.10 ON JUN 14	0 ON APR 1	24 600	1956
1957	---	10.4 ON JUL 20	0 ON APR 1	43 000	1957
1958	---	5.97 ON AUG 8	0 ON APR 1	38 400	1958
1959	---	7.62 ON JUL 19	0 ON APR 1	31 400	1959
1960	---	10.7 ON JUL 18	0 ON APR 1	53 100	1960
1961	---	10.4 ON JUN 7	0 ON APR 1	66 700	1961
1962	---	8.52 ON JUL 24	0 ON APR 1	53 000	1962
1963	---	7.76 ON JUN 21	0 ON APR 1	40 100	1963
1964	---	8.13 ON JUL 17	0 ON APR 1	49 800	1964
1965	---	4.59 ON AUG 4	0 ON APR 1	17 800	1965
1966	---	4.22 ON AUG 4	0 ON APR 1	18 500	1966
1967	---	9.26 ON JUL 28	0 ON APR 1	37 200	1967
1968	---	5.18 ON JUL 28	0 ON APR 1	28 200	1968
1969	---	3.54 ON AUG 1	0 ON APR 1	20 000	1969
1970	---	6.57 ON JUL 21	0 ON APR 1	37 100	1970
1971	---	7.33 ON JUL 21	0 ON APR 1	37 000	1971
1972	---	4.39 ON JUN 10	0 ON APR 1	29 000	1972
1973	---	12.7 ON JUL 25	0 ON APR 1	75 700	1973
1976	---	11.2 ON JUL 20	---	---	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	2.59	---	---	---	---	1924
1925	---	---	---	0	1.25	6.39	10.5	2.20	0.733	1.08	0	---	2.79	1925
1926	---	---	---	0.031	3.56	7.94	9.71	2.20	0.882	0.902	0	---	3.17	1926
1927	---	---	---	0.003	0.443	0.954	2.32	2.49	1.01	0.775	0	---	1.01	1927
1928	---	---	---	0	2.91	4.93	0.521	1.68	1.50	3.53	0	---	1.89	1928
1929	---	---	---	0	0.508	1.37	10.1	3.37	2.51	10.6	0	---	3.60	1929
1930	---	---	---	0	1.64	11.6	9.23	4.14	2.14	2.43	0	---	3.90	1930
1932	---	---	---	0	0.945	1.92	9.22	4.22	1.90	2.13	0	---	2.57	1932
1934	---	---	---	0.079	7.13	2.92	6.67	6.35	2.23	2.64	0	---	3.54	1934
1935	---	---	---	0	0.557	9.06	7.63	4.48	3.00	4.31	0	---	3.64	1935
1936	---	---	---	0	0.724	6.66	9.13	3.42	3.21	1.41	0.232	---	3.11	1936
1937	---	---	---	0	3.52	6.87	10.8	4.43	4.81	2.56	0	---	4.14	1937
1938	---	---	---	0	0.869	10.9	9.96	3.91	3.21	3.09	0	---	4.00	1938
1939	---	---	---	0	4.68	1.46	7.47	6.08	3.84	3.25	0	---	3.38	1939
1940	---	---	---	0	0.565	7.95	8.86	4.10	2.31	1.83	0	---	3.21	1940
1941	---	---	---	0.178	4.08	5.71	10.7	5.34	1.85	0	0	---	3.51	1941
1942	---	---	---	1.15	1.79	0.862	6.47	3.60	1.74	1.44	0	---	2.15	1942
1943	---	---	---	0	1.82	8.40	11.0	7.22	4.45	3.85	0	---	4.62	1943
1944	---	---	---	0	4.39	6.53	11.0	6.18	5.29	2.85	0	---	4.55	1944
1945	---	---	---	0	1.07	1.99	7.94	8.73	3.75	1.76	0	---	3.18	1945
1946	---	---	---	0	5.39	2.46	10.0	6.98	3.26	2.24	0	---	3.83	1946
1947	---	---	---	0	1.26	2.21	10.6	4.75	3.33	1.28	0	---	2.95	1947
1948	---	---	---	0	0.065	0.331	5.10	1.96	1.42	1.24	0	---	1.28	1948
1949	---	---	---	0.231	3.88	5.07	11.6	5.48	5.02	3.13	0	---	4.33	1949
1950	---	---	---	0	1.12	8.88	7.63	6.84	5.39	2.02	0	---	3.99	1950
1951	---	---	---	0	0.263	0.565	2.25	4.27	0.606	0.453	0	---	1.06	1951
1952	---	---	---	0	0.673	2.35	4.36	4.87	2.16	2.15	0	---	2.09	1952
1953	---	---	---	0	0.605	0.454	5.30	5.28	2.46	1.77	0	---	2.01	1953
1954	---	---	0	0	0.955	6.16	10.5	5.34	1.10	1.19	0	0.285	3.18	1954
1955	---	---	---	0	0.031	2.12	1.26	7.43	5.17	1.58	0	---	2.21	1955
1956	---	---	---	0	0.330	3.39	2.94	5.70	3.72	1.95	0	---	2.26	1956
1957	---	---	---	0	2.77	4.28	9.89	7.23	6.01	2.01	0	---	4.05	1957
1958	---	---	---	0	1.66	5.74	5.54	7.47	5.21	3.40	0	---	3.64	1958
1959	---	---	---	0	0.597	4.22	5.58	5.91	4.15	2.10	0	---	2.83	1959
1960	---	---	---	0	1.74	4.61	9.35	5.68	4.53	5.40	0	---	3.94	1960
1961	---	---	---	0	3.02	11.7	10.5	6.36	6.02	2.08	0	---	4.97	1961
1962	---	---	---	0	4.92	8.21	11.0	7.76	5.08	5.86	0	---	5.39	1962
1963	---	---	---	0	6.61	6.42	1.62	6.86	5.12	5.91	0	---	4.09	1963
1964	---	---	---	0	0.776	5.43	12.8	9.22	3.61	5.20	1.64	---	4.88	1964
1965	---	---	---	0	1.13	3.01	2.73	6.82	1.86	3.58	0.260	---	2.44	1965
1966	---	---	---	0	1.78	2.40	4.36	7.30	6.34	2.96	0	---	3.16	1966
1967	---	---	---	0	0	2.20	9.77	8.62	5.40	5.00	0	---	3.91	1967
1968	---	---	---	0	1.92	5.63	9.03	6.68	3.91	1.79	0.214	---	3.67	1968
1969	---	---	---	0	1.10	4.72	3.13	8.46	6.33	3.20	0	---	3.38	1969
1970	---	---	---	0.038	3.02	5.63	8.95	9.24	5.88	5.28	0.909	---	4.90	1970
1971	---	---	---	0	1.84	5.95	10.9	8.47	5.57	2.88	0	---	4.48	1971
1972	---	---	---	0	0.629	6.99	7.85	7.70	3.70	1.49	0	---	3.56	1972
1973	---	---	---	0	5.53	6.88	9.95	6.16	3.02	2.55	0	---	4.29	1973
MEAN	---	---	0	0.036	2.04	4.95	7.74	5.72	3.51	2.77	0.069	0.285	3.38	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 57 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	13.0 ON JUL 6	0 ON APR 1 *	58 800	1925
1926	---	15.5 ON JUN 13	0 ON APR 1	66 800	1926
1927	---	3.74 ON JUL 2	0 ON APR 1	21 200	1927
1928	---	15.2 ON JUN 5	0 ON APR 1	39 800	1928
1929	---	16.5 ON OCT 17	0 ON APR 1	76 000	1929
1930	---	18.6 ON JUN 19 *	0 ON APR 1	82 200	1930
1932	---	14.6 ON JUL 20	0 ON APR 1	54 100	1932
1934	---	14.6 ON MAY 30	0 ON APR 1	74 600	1934
1935	---	14.5 ON JUN 27	0 ON APR 1	76 800	1935
1936	---	15.6 ON JUL 3	0 ON APR 1	65 500	1936
1937	---	16.6 ON JUL 1	0 ON APR 1	87 500	1937
1938	---	17.3 ON JUN 21	0 ON APR 1	84 300	1938
1939	---	14.7 ON JUL 27	0 ON APR 1	71 300	1939
1940	---	13.4 ON JUN 27	0 ON APR 1	67 700	1940
1941	---	17.9 ON JUN 28	0 ON APR 1	74 000	1941
1942	---	12.9 ON JUL 24	0 ON APR 1	45 300	1942
1943	---	13.1 ON JUL 1	0 ON APR 1	97 400	1943
1944	---	14.3 ON JUL 21	0 ON APR 1	95 900	1944
1945	---	15.4 ON JUL 30	0 ON APR 1	67 200	1945
1946	---	15.0 ON JUL 25	0 ON APR 1	80 800	1946
1947	---	15.3 ON JUL 18	0 ON APR 1	62 300	1947
1948	---	11.2 ON JUL 14	0 ON APR 1	27 000	1948
1949	---	14.4 ON JUL 5	0 ON APR 1	91 400	1949
1950	---	13.2 ON JUN 15	0 ON APR 1	84 100	1950
1951	---	9.51 ON AUG 1	0 ON APR 1	22 400	1951
1952	---	9.85 ON JUL 15	0 ON APR 1	44 000	1952
1953	---	10.6 ON JUL 24	0 ON APR 1	42 300	1953
1954	---	14.4 ON JUN 26	0 ON APR 1	67 100	1954
1955	---	10.4 ON AUG 12	0 ON APR 1	46 500	1955
1956	---	8.01 ON JUN 14	0 ON APR 1	47 700	1956
1957	---	15.2 ON JUL 17	0 ON APR 1	85 400	1957
1958	---	9.94 ON AUG 11	0 ON APR 1	76 800	1958
1959	---	9.77 ON JUL 27	0 ON APR 1	59 500	1959
1960	---	11.7 ON JUL 22	0 ON APR 1	83 000	1960
1961	---	14.1 ON JUN 18	0 ON APR 1	105 000	1961
1962	---	11.8 ON JUL 26	0 ON APR 1	114 000	1962
1963	---	13.0 ON JUN 20	0 ON APR 1	86 100	1963
1964	---	16.4 ON JUL 16	0 ON APR 1	103 000	1964
1965	---	10.1 ON AUG 4	0 ON APR 1	51 500	1965
1966	---	10.7 ON AUG 4	0 ON APR 1	66 600	1966
1967	---	16.1 ON JUL 31	0 ON APR 1	82 400	1967
1968	---	11.3 ON JUL 17	0 ON APR 1	77 300	1968
1969	---	9.74 ON AUG 1	0 ON APR 1	71 200	1969
1970	---	13.1 ON JUL 23	0 ON APR 1	103 000	1970
1971	---	12.1 ON JUL 23	0 ON APR 1	94 400	1971
1972	---	9.74 ON JUL 19	0 ON APR 1	75 000	1972
1973	---	11.6 ON JUL 17	0 ON APR 1	90 500	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71 200	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	11.4	15.0	18.6	13.1	8.65	---	---	---	---	1930
1979	---	---	---	---	4.60	16.2	16.3	13.4	9.68	4.28	---	---	---	1979
1980	---	---	---	6.61	11.1	7.34	16.1	10.9	6.14	4.23	---	---	8.94	1980
MEAN	---	---	---	6.61	9.03	12.8	17.0	12.5	8.16	4.26	---	---	8.94	MEAN

LOCATION - LAT 49 41 10 N
LONG 113 34 20 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	19.5 ON JUL 10 *	0B ON OCT 21 *	---	1930
1979	---	17.0 ON JUN 18	0 ON MAY 1	---	1979
1980	---	17.4 ON MAY 17	0 ON APR 1	165 000	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		165 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	4.92	17.6	17.4	14.5	10.4	4.94	---	---	---	1979
1980	---	---	---	6.85	11.9	7.69	17.3	11.9	6.50	4.71	---	---	9.59	1980
MEAN	---	---	---	6.85	8.41	12.6	17.4	13.2	8.45	4.83	---	---	9.59	MEAN

LOCATION - LAT 49 40 00 N
LONG 113 36 00 W   REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	18.8 ON JUN 18 *	0 ON MAY 1 *	---	1979
1980	---	18.1 ON MAY 20	0 ON APR 1	177 000	1980
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		177 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KEHO LAKE - STATION NO. 05AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.249	7.59	7.21	4.28	7.08	3.38	0.232	0	---	4.96	1925
1926	---	---	---	0.316	2.06	7.16	5.84	5.34	4.42	0.583	0	---	4.22	1926
1927	---	---	---	0.142	1.30	0.638	3.26	2.46	3.18	1.17	0	---	2.00	1927
1928	---	---	---	0	1.48	7.83	1.14	1.68	1.87	5.22	0	---	3.19	1928
1929	---	---	---	0	2.00	1.80	3.46	6.74	6.06	2.18	0.117	---	3.70	1929
1930	---	---	---	3.88	9.49	7.26	10.8	9.72	6.71	1.08	0	---	7.51	1930
MEAN	---	---	---	0.765	3.99	5.32	4.80	5.50	4.27	1.74	0.020	---	4.26	MEAN

LOCATION - LAT 49 55 20 N
LONG 113 09 40 W   REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KEHO LAKE - STATION NO. 05AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	14.6 ON JUN 13	0 ON JUN 29 *	78 900	1925
1926	---	13.9 ON JUN 19	0 ON OCT 19	67 100	1926
1927	---	8.52 ON JUL 17	0 ON OCT 22	31 800	1927
1928	---	14.6 ON JUN 18	0 ON MAY 1	50 700	1928
1929	---	10.0 ON AUG 7	0.159A ON MAY 3	58 900	1929
1930	---	15.0 ON MAY 4 *	0 B ON OCT 27	119 000	1930
				67 700	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HENSAGHIES BRIDGE - STATION NO. 05AB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.683	8.93	9.23	13.8	9.62	4.12	0.932	0	---	5.95	1925
1926	---	---	---	0.636	4.52	13.1	12.3	9.13	5.40	1.51	0	---	5.84	1926
1927	---	---	---	0.432	1.58	1.74	5.53	4.14	4.35	4.08	0.004	---	2.75	1927
1928	---	---	---	0	4.53	10.4	1.24	3.63	2.95	6.06	0	---	3.60	1928
1929	---	---	---	0.024	2.68	4.29	9.54	10.1	8.43	7.85	0.045	---	5.40	1929
1930	---	---	---	4.54	10.7	14.6	18.4	12.4	7.97	2.74	0	---	8.95	1930
1932	---	---	---	0	8.61	2.51	12.4	12.8	5.14	3.39	0	---	5.68	1932
1933	---	---	---	0.591	3.47	14.5	15.3	14.4	5.27	3.40	0	---	7.16	1933
1934	---	---	---	0.771	14.1	6.59	7.11	11.2	8.00	3.30	0	---	6.43	1934
1935	---	---	---	0	4.54	10.5	17.8	11.8	6.41	4.73	0	---	7.02	1935
1936	---	---	---	0	8.83	11.2	14.2	7.58	6.67	5.12	0	---	6.73	1936
1937	---	---	---	0	17.9	15.4	16.1	13.5	8.49	5.67	0	---	9.69	1937
1938	---	---	---	0	7.27	12.8	15.1	9.39	5.53	4.62	0	---	6.87	1938
1939	---	---	---	0.709	16.7	8.41	9.38	11.7	10.0	4.82	0	---	7.76	1939
1940	---	---	---	0	10.5	15.2	15.1	11.9	7.99	2.62	0	---	7.94	1940
1941	---	---	---	0.240	13.3	7.62	15.1	7.86	5.38	2.75	0	---	6.59	1941
1942	---	---	---	4.75	7.62	0.320	1.78	5.65	2.45	3.94	0	---	3.34	1942
1943	---	---	---	0	10.2	12.0	17.0	11.6	6.77	5.66	0.133	---	7.98	1943
1944	---	---	---	5.13	22.6	11.1	13.9	7.74	4.79	2.87	0	---	8.57	1944
1945	---	---	---	4.22	11.4	4.32	7.49	11.6	9.30	3.54	0	---	6.51	1945
1946	---	---	---	0	13.1	7.01	11.1	13.6	6.18	2.93	0	---	6.79	1946
1947	---	---	---	0	4.43	2.76	14.3	11.4	2.52	3.32	0	---	4.89	1947
1948	---	---	---	0	5.43	4.14	9.57	8.37	10.5	7.71	0	---	5.75	1948
1949	---	---	---	1.94	10.9	7.17	15.1	8.32	8.31	6.22	0.368	---	7.34	1949
1950	---	---	---	0.603	14.3	14.4	13.0	12.3	9.05	6.30	0	---	8.80	1950
1951	---	---	---	0	3.46	3.71	3.14	5.74	3.14	2.42	0	---	2.72	1951
1952	---	---	---	0	6.25	4.52	4.26	6.50	3.81	3.15	0	---	3.59	1952
1953	---	---	---	0	6.73	1.90	4.17	10.3	8.54	4.40	0	---	4.53	1953
1954	---	---	0	0	4.34	13.1	11.8	9.21	2.08	1.46	0	---	5.27	1954
1955	---	---	---	0.312	2.87	7.73	3.52	7.91	6.13	2.73	0	---	3.91	1955
1956	---	---	---	0	5.03	11.7	3.50	4.92	3.46	2.72	0	---	3.91	1956
1957	---	---	---	0	10.5	9.28	10.9	10.4	7.94	4.13	0	---	6.68	1957
1958	---	---	---	0	8.38	9.12	6.51	6.35	5.47	4.64	0	---	5.08	1958
1959	---	---	---	0.084	9.03	9.13	7.80	9.13	3.47	2.38	0	---	5.16	1959
1960	---	---	---	0	6.54	9.04	13.5	11.7	7.61	5.72	0	---	6.80	1960
1961	---	---	---	6.76	7.50	15.7	16.4	11.9	9.52	8.47	0	---	9.57	1961
1962	---	---	---	0.522	7.09	13.8	14.3	10.8	8.36	7.49	2.05	---	8.09	1962
1963	---	---	---	7.36	9.96	12.9	2.16	7.23	8.30	5.32	0	---	6.65	1963
1964	---	---	---	0	5.24	14.1	13.2	12.6	11.4	7.20	2.25	---	8.27	1964
1965	---	---	---	0	6.76	4.43	3.04	10.0	3.32	2.26	0	---	3.76	1965
1966	---	---	---	0	2.78	3.55	3.07	4.28	3.30	2.85	0	---	2.49	1966
1967	---	---	---	0	0.471	3.85	12.6	15.4	8.68	4.86	0	---	5.77	1967
1968	---	---	---	2.05	11.4	12.0	12.9	10.9	2.18	1.90	0	---	6.71	1968
1969	---	---	---	0	3.60	11.7	3.12	12.9	8.89	3.32	0	---	5.44	1969
1970	---	---	---	1.31	12.7	8.87	12.5	10.3	5.54	3.99	0	---	6.94	1970
1971	---	---	---	8.62	14.7	7.86	14.7	13.1	6.98	3.79	0	---	8.77	1971
1972	---	---	---	0	6.06	13.7	14.4	12.5	5.02	2.55	0	---	6.81	1972
1973	---	---	---	8.41	13.9	14.3	15.4	11.4	9.08	7.66	0.211	---	10.1	1973
1974	---	---	---	1.32	11.0	9.11	15.3	16.3	14.4	7.75	0	---	9.44	1974
1975	---	---	---	0	4.44	7.26	10.2	14.2	9.10	4.14	0	---	6.20	1975
1976	---	---	---	2.35	11.5	15.3	15.8	13.1	8.55	5.51	0	---	9.05	1976
1977	---	---	0	8.30	15.3	16.7	[illegible]	11.9	11.2	3.76	0	---	9.91	1977
1978	---	---	---	0	0	10.9	[illegible]	10.5	2.60	2.01	0	---	5.03	1978
1979	---	---	---	0	4.90	16.4	16.3	13.5	9.39	4.25	0	---	8.11	1979
1980	---	---	---	6.37	10.9	7.47	16.1	11.0	6.32	4.55	0	---	7.89	1980
1981	---	---	---	5.94	7.67	7.47	15.6	10.9	8.31	6.04	0	---	7.78	1981
1982	---	---	---	1.69	11.3	13.6	15.4	14.6	9.96	0.003	0	---	8.35	1982
MEAN	---	---	0	1.52	8.43	9.50	11.2	10.4	6.74	4.20	0.089	---	6.55	MEAN

LOCATION - LAT 49 43 39 N
LONG 113 33 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HENZAGHIES BRIDGE - STATION NO. 05AB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	15.8 ON JUL 21	0 ON APR 1 *	126 000	1925
1926	---	17.6 ON JUN 17	0 ON APR 1	123 000	1926
1927	---	9.46 ON JUL 16	0 ON APR 1	58 000	1927
1928	---	16.8 ON JUN 6	0 ON APR 1	75 800	1928
1929	---	15.7 ON AUG 4	0 ON APR 1	114 000	1929
1930	---	19.3 ON JUL 8	0E ON APR 1	189 000	1930
1932	---	17.9 ON JUL 28	0 ON APR 1	120 000	1932
1933	---	17.6 ON JUN 28	0E CN APR 1	151 000	1933
1934	---	22.5 ON MAY 27	0E ON APR 1	135 000	1934
1935	---	21.3 ON JUL 16	0 ON APR 1	148 000	1935
1936	---	19.3 ON JUL 3	0 ON APR 1	142 000	1936
1937	---	20.5 ON JUL 5	0E ON APR 1	204 000	1937
1938	---	18.7 ON JUL 23	0E ON APR 1	145 000	1938
1939	---	19.3 ON MAY 30	0E ON APR 1	164 000	1939
1940	---	17.3 ON JUN 25	0 ON APR 1	167 000	1940
1941	---	19.1 ON MAY 13	0 ON APR 1	139 000	1941
1942	---	19.7 ON MAY 7	0 ON APR 1	70 300	1942
1943	---	18.4 ON JUL 26	0 ON APR 1	168 000	1943
1944	---	23.9 ON MAY 15 *	0E ON APR 1	181 000	1944
1945	---	18.8 ON MAY 6	0 ON APR 1	137 000	1945
1946	---	19.0 ON JUN 6	0 ON APR 1	143 000	1946
1947	---	19.4 ON JUL 26	0 ON APR 1	103 000	1947
1948	---	18.4 ON JUL 27	0 ON APR 1	121 000	1948
1949	---	19.3 ON MAY 6	0 ON APR 1	155 000	1949
1950	---	18.5 ON JUN 19	0 ON APR 1	186 000	1950
1951	---	10.7 ON AUG 11	0 ON APR 1	57 300	1951
1952	---	12.6 ON MAY 16	0 ON APR 1	75 500	1952
1953	---	11.9 ON SEP 9	0 ON APR 1	95 500	1953
1954	---	15.1 ON JUN 28	0 ON APR 1	111 000	1954
1955	---	16.1 ON JUN 23	0 ON APR 1	82 300	1955
1956	---	14.8 ON JUN 14	0 ON APR 1	82 600	1956
1957	---	15.2 ON JUN 9	0 ON APR 1	141 000	1957
1958	---	15.7 ON JUN 7	0 ON APR 1	107 000	1958
1959	---	15.3 ON JUN 26	0 ON APR 1	109 000	1959
1960	---	14.4 ON JUL 3	0 ON APR 1	143 000	1960
1961	---	17.8 ON JUL 29	0 ON APR 1	202 000	1961
1962	---	15.7 ON JUN 10	0 ON APR 1	171 000	1962
1963	---	16.7 ON JUN 13	0 ON APR 1	140 000	1963
1964	---	15.4 ON JUN 25	0 ON APR 1	174 000	1964
1965	---	13.8 ON AUG 6	0 ON APR 1	79 200	1965
1966	---	8.18 ON AUG 5	0 ON APR 1	52 500	1966
1967	---	18.8 ON AUG 5	0 ON APR 1	121 000	1967
1968	---	17.9 ON AUG 15	0 ON APR 1	141 000	1968
1969	---	15.7 ON JUN 18	0 ON APR 1	115 000	1969
1970	---	18.8 ON JUL 22	0 ON APR 1	146 000	1970
1971	---	16.8 ON APR 28	0 ON APR 1	185 000	1971
1972	---	16.0 ON JUN 24	0 ON APR 1	144 000	1972
1973	---	16.1 ON JUL 22	0 ON APR 1	212 000	1973
1974	---	16.7 ON AUG 12	0 ON APR 1	199 000	1974
1975	---	15.6 ON AUG 16	0E ON APR 1	131 000	1975
1976	---	16.9 ON JUL 1	0 ON APR 1	191 000	1976
1977	---	17.8 ON JUN 18	0 ON APR 1	209 000	1977
1978	---	15.2 ON JUL 28	0 ON APR 1	106 000	1978
1979	---	17.1 ON JUN 25	0 ON APR 1	171 000	1979
1980	---	16.8 ON JUN 27	0E ON APR 1	166 000	1980
1981	---	16.4 ON AUG 1	0 ON APR 1	164 000	1981
1982	---	17.4 ON AUG 11	0 ON APR 1	176 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		138 000	MEAN

E - ESTIMATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	9.57	12.6	16.7	20.2	6.56	---	---	---	---	1924
1926	---	---	---	---	5.91	15.1	14.2	11.0	6.50	2.10	---	---	---	1926
1927	---	---	---	---	2.52	2.56	6.79	5.25	5.47	5.04	---	---	---	1927
1928	---	---	---	---	5.76	11.8	1.80	4.66	4.12	7.17	---	---	---	1928
1929	---	---	---	---	3.72	5.12	11.4	11.7	9.93	8.98	---	---	---	1929
1930	---	---	---	---	12.3	16.8	20.6	14.8	9.97	---	---	---	---	1930
1932	---	---	---	---	8.89	2.19	13.0	13.7	5.67	---	---	---	---	1932
MEAN	---	---	---	---	6.95	9.45	12.1	11.6	6.89	5.82	---	---	---	MEAN

LOCATION - LAT 49 40 50 N
LONG 113 36 50 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	21.5 ON AUG 19 *	---	---	1924
1926	---	20.4 ON JUN 15	---	---	1926
1927	---	11.1 ON JUL 16	---	---	1927
1928	---	19.7 ON JUN 6	---	---	1928
1929	---	18.0 ON AUG 4	---	---	1929
1930	---	21.5 ON JUN 19	---	---	1930
1932	---	18.6 ON JUL 22	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	2.66	11.9	6.34	2.54	1.42	---	---	---	1978
1979	---	---	---	---	0.357	9.49	14.7	5.10	3.76	2.30	---	---	5.95	1979
1980	---	---	---	---	3.74	4.45	11.6	4.37	4.55	2.93	---	---	5.29	1980
1981	---	---	---	---	2.05	4.51	11.5	5.58	6.95	2.93	---	---	5.58	1981
1982	---	---	---	---	1.53	8.40	8.12	7.74	5.85	0.641	---	---	5.36	1982
MEAN	---	---	---	---	1.92	5.90	11.6	5.83	4.73	2.04	---	---	5.55	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 56 15 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	14.4 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	17.5 ON JUL 20 *	0 ON MAY 1	94 600	1979
1980	---	16.2 ON JUL 9	0 ON MAY 1	83 900	1980
1981	---	16.2 ON JUL 7	0 ON MAY 1	88 600	1981
1982	---	15.6 ON JUN 28	0 ON MAY 1	85 300	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		88 100	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	9.56	7.87	7.40	0.833	0.710	---	---	---	1978
1979	---	---	---	---	3.47	7.67	5.43	10.1	8.06	3.17	---	---	---	1979
1980	---	---	---	5.49	6.79	2.53	5.16	7.15	3.66	2.50	---	---	4.76	1980
1981	---	---	---	4.95	6.47	4.60	7.29	6.99	4.07	3.62	---	---	5.44	1981
1982	---	---	---	1.18	9.92	6.91	5.56	6.79	5.64	0	---	---	5.15	1982
MEAN	---	---	---	3.87	6.66	6.25	6.26	7.69	4.45	2.00	---	---	5.12	MEAN

LOCATION - LAT 49 54 00 N
LONG 113 11 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	13.5 ON JUN 16	0 ON JUN 1 *	---	1978
1979	---	15.1 ON AUG 1 *	0 ON MAY 1	---	1979
1980	---	14.8 ON APR 29	0 ON APR 1	88 000	1980
1981	14.9 AT 10:56 MST ON APR 30 *	14.7 ON APR 30	0 ON APR 1	100 000	1981
1982	---	13.8 ON MAY 14	0 ON APR 1	95 300	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		94 400	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	9.04	9.20	14.0	9.87	4.35	---	---	---	---	1925
1926	---	---	---	---	4.88	13.3	12.3	9.49	5.55	---	---	---	---	1926
1927	---	---	---	---	1.88	2.00	5.81	4.40	4.55	4.22	---	---	---	1927
1928	---	---	---	---	---	10.7	1.38	4.04	3.42	---	---	---	---	1928
1929	---	---	---	---	2.96	4.58	9.97	10.3	8.71	8.01	---	---	---	1929
1930	---	---	---	---	10.9	14.8	18.4	12.7	8.45	---	---	---	---	1930
1932	---	---	---	---	8.85	2.56	12.3	13.4	5.69	---	---	---	---	1932
MEAN	---	---	---	---	6.42	8.16	10.6	9.17	5.82	6.12	---	---	---	MEAN

LOCATION - LAT 49 41 55 N
LONG 113 33 42 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	16.1 ON JUL 23	---	---	1925
1926	---	17.9 ON JUN 15	---	---	1926
1927	---	9.49 ON JUL 16	---	---	1927
1928	---	17.5 ON JUN 6	---	---	1928
1929	---	16.1 ON AUG 4	---	---	1929
1930	---	19.5 ON JUL 10 *	0B ON OCT 21 *	---	1930
1932	---	17.1 ON JUL 23	---	---	1932
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	0.077	0.069	0.015	0.075	0.046	---	---	---	1924
1925	---	---	---	---	0.014	0	0.093	---	---	---	---	---	---	1925
1926	---	---	---	---	---	---	0.029	0.063	0	0.013	---	---	---	1926
MEAN	---	---	---	---	0.014	0.039	0.064	0.039	0.038	0.030	---	---	---	MEAN

LOCATION - LAT 49 44 00 N
LONG 113 32 44 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	0.193 ON SEP 4	0 ON JUN 1 *	---	1924
1925	---	0.229 ON JUL 8 *	0 ON MAY 1	---	1925
1926	---	---	0 ON JAN 1	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	0.083	0.085	---	---	---	0	0.014	0.019	---	---	---	1925
1926	---	0.002	0.045	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.043	0.061	0.247	0.001	0.124	0.033	0.002	0	---	---	---	1927
1928	0.196	0	0.348	0.012	0	0	---	---	---	---	---	---	---	1928
1929	---	---	0.001	0.002	0	---	---	---	---	---	---	---	---	1929
MEAN	0.196	0.001	0.104	0.040	0.082	0.001	0.124	0.017	0.008	0.010	---	---	---	MEAN

LOCATION - LAT 49 03 50 N DRAINAGE AREA, 26.9 km^2
LONG 110 25 20 W NATURAL FLOW

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0.903 ON APR 23	0 ON MAR 1 *	---	1925
1926	---	0.524B ON MAR 1	0B ON FEB 1	---	1926
1927	---	1.78 ON MAY 23 *	0B ON MAR 1	---	1927
1928	---	1.56 ON JAN 12	0B ON JAN 1	---	1928
1929	---	---	0B ON MAR 1	---	1929
				---	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.546	1.19	0.978	---	---	---	1910
1911	---	---	---	0.577	1.08	0.798	0.277	0.262	0.272	0.184	---	---	---	1911
1912	---	---	---	0.449	0.895	0.649	0.200	0.003	0.557	1.91	1.95	---	---	1912
1913	0.839	1.03	1.36	1.31	1.06	1.42	0.831	0.751	0.811	0.685	0.536	0.611	0.934	1913
1914	0.352	0.412	0.466	0.498	0.762	0.813	0.660	0.428	0.305	0.286	0.326	0.251	0.463	1914
1915	0.215	0.192	0.177	0.166	0.944	1.90	0.598	0.262	0.095	0.081	0.221	0.082	0.410	1915
1916	0.020	0.380	0.354	0.328	1.20	2.92	0.256	0	0	0	0	0	0.452	1916
1917	0	0	0	0	0	0.146	0.005	0	0	0	0	0	0.012	1917
1918	0	0	0	0	0	0	0.060	0.368	0.218	0.180	0.042	0.013	0.071	1918
1919	0.004	0.005	0	0.009	0.273	0.135	0.188	0.409	0.169	0.113	0.069	0.027	0.118	1919
1920	0.015	0.006	0.003	0.022	0.177	0.613	0.407	0.027	0.039	0.204	0.088	0.057	0.138	1920
1921	0.036	0.044	0.045	0.038	0.271	0.327	0.496	0.349	0.149	0.222	0.084	0.059	0.178	1921
1922	0.020	0.008	0.016	0.076	0.347	0.486	0.060	0.049	0.030	0.066	0.620	0.001	0.098	1922
1923	0	0	0	0.050	0.201	---	---	---	---	0.289	0.752	0.418	---	1923
1924	0.060	0.035	0.051	0.097	0.322	0.795	0.770	1.40	0.810	0.798	0.619	0.432	0.518	1924
1925	0.217	0.254	0.260	0.072	0.205	0.893	1.24	1.50	1.40	1.17	0.803	0.674	0.728	1925
1926	0.184	0.091	0.086	0.319	0.782	0.771	0.700	0.592	1.21	0.944	0.370	0.343	0.535	1926
1927	0.262	0.159	0.076	0.079	0.059	0.060	0.043	0.312	0.163	0.121	0.052	0.043	0.119	1927
1928	0.038	0.028	0.041	0.006	0.143	0.147	0.050	0.029	0.026	0.003	0.002	0.001	0.043	1928
1929	0.001	0	0.002	0.003	0.010	2.99	0.033	0.229	0.155	0.094	0.109	0.082	0.306	1929
1930	0.052	0.172	0.083	0.104	0.197	0.125	0.265	0.170	0.152	0.127	0.150	0.137	0.144	1930
1931	0.087	0.027	0.033	0.034	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	---	---	---	0.852	1.02	0.746	---	---	---	---	1933
1935	---	---	---	0.056	0.038	0.292	0.496	0.602	0.638	0.562	---	---	---	1935
1936	---	---	---	0.010	---	---	---	---	---	---	---	---	---	1936
1938	---	---	---	0.185	0.340	0.282	0.410	0.444	0.488	0.581	---	---	---	1938
1939	---	---	0.006	0.313	0.624	0.343	0.431	0.507	0.685	0.616	---	---	---	1939
1940	---	---	---	0	0.119	0.576	0.496	0.439	0.383	0.326	---	---	---	1940
1941	---	---	---	0.291	0.606	0.629	0.616	0.597	0.362	0.329	---	---	---	1941
1942	---	---	---	0.020	0	---	---	---	---	---	---	---	---	1942
1943	---	---	---	0	0.010	0.026	0.540	0.381	0.266	0.229	---	---	---	1943
1944	---	---	---	0	0.126	0.201	0.355	0.401	0.387	0.303	---	---	---	1944
1945	---	---	0	0	0	0	0.119	0.161	0.349	0.038	---	---	---	1945
1946	---	---	0	0.023	0.023	0.023	0.490	0.666	0.355	0.273	---	---	---	1946
1947	---	---	---	0	0	0	0.054	0.271	0.157	0	---	---	---	1947
1948	---	---	---	0	0	0	0.017	0.489	0.447	0.321	---	---	---	1948
1949	---	---	---	0	0.209	0.248	0.679	1.22	1.21	1.19	0.202	---	---	1949
1950	---	---	---	0	0.012	0.641	1.35	1.08	0.951	1.13	0	---	---	1950
1951	---	---	0	0.049	0.071	0.082	0.525	0.712	0.241	0.228	0	---	---	1951
1952	---	---	0	0	0	0.026	0.365	0.330	0.232	0.174	0.018	---	---	1952
1953	---	---	0	0	0.014	0.017	0.104	0.265	0.617	0.396	0.223	---	---	1953
1954	---	---	0	0	0.023	0.013	0.490	0.273	0.169	0.122	---	---	---	1954
1955	---	---	0	0.027	0.022	0.015	0.023	0.227	0.226	0.148	0	---	---	1955
1956	---	---	0	0	0.028	0.091	0.263	0.286	0.179	0.151	0	---	---	1956
1957	---	---	0	0	0.017	0.017	0.131	0.164	0.116	0.094	0	---	---	1957
1958	---	---	0	0.001	0.006	0.008	0.142	0.292	0.282	0.190	0.095	---	---	1958
1959	---	---	0	0.003	0.006	0.008	0.222	0.240	0.002	0	0	---	---	1959
1960	---	---	0	0	0.003	0.006	0.293	0.435	0.326	0.262	---	---	---	1960
1961	---	---	0	0.035	0.063	0.180	0.651	0.318	0.144	0.291	0.102	---	---	1961
1962	---	---	0.007	0.005	0.219	0.211	0.477	0.361	0.319	0.084	---	---	---	1962
1963	---	---	0.001	0.046	0.343	0.653	0.372	0.271	0.155	0.067	---	---	---	1963
1964	---	---	0	0.001	0.018	0.061	0.541	0.142	0.218	0.253	0.157	---	---	1964
1965	---	---	0	0	0.012	0.137	0.621	0.348	0.478	0.600	0.085	---	---	1965
1966	---	---	0	0.021	0.067	0.054	0.595	0.189	0.026	0.008	0	---	---	1966
1967	---	---	---	---	---	---	0.118	0.772	0.598	0.576	---	---	---	1967
1968	---	---	---	0.011	0.011	0.197	0.700	0.342	0.005	0.021	---	---	---	1968
1969	---	---	---	---	0.044	0.473	0.417	0.343	0.460	0.953	0.389	---	---	1969
1970	---	---	---	---	0.017	0.161	0.909	0.529	0.803	0.613	---	---	---	1970
1971	---	---	---	---	0.003	1.05	0.960	0.626	0.184	0.094	0.057	---	---	1971
1972	---	---	---	---	0.010	0.007	1.06	0.973	0.760	0.288	0.235	0.343	---	1972
1973	0.304	0.329	0.260	0.190	0.407	0.624	0.591	0.454	0.300	0.181	0.112	0.144	0.325	1973
1974	0.169	0.154	0.130	0.336	0.371	0.232	0.681	0.658	0.696	0.443	0.318	0.400	0.384	1974
1975	0.405	0.311	0.274	0.091	0.277	0.529	0.508	1.27	0.866	0.679	0.884	0.884	0.584	1975
1976	0.415	0.359	0.311	0.327	0.608	0.941	1.31	1.28	1.36	0.860	0.650	0.300	0.728	1976
1977	0.326	0.458	0.619	0.670	0.960	0.924	0.543	1.76	0.899	0.790	0.520	0.202	0.724	1977
1978	0.178	0.197	0.278	0.229	0.079	0.097	0.430	0.193	0.096	0.071	0.007	0.020	0.156	1978
1979	0.027	0.024	0.057	0.079	1.18	1.45	1.53	1.50	1.08	0.887	0.701	0.412	0.749	1979
1980	0.343	0.295	0.280	0.184	1.79	1.35	1.17	0.903	0.790	0.955	0.291	0.399	0.733	1980
1981	0.433	0.321	0.440	0.487	0.727	1.63	1.90	1.92	1.39	1.29	0.626	0.206	0.952	1981
1982	0.159	0.138	0.099	0.095	0.597	1.93	1.66	1.48	1.07	0.847	0.384	0.271	0.730	1982
MEAN	0.178	0.187	0.121	0.127	0.293	0.515	0.528	0.543	0.459	0.408	0.266	0.235	0.420	MEAN

LOCATION - LAT 50 35 00 N
LONG 113 52 07 W   REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	2.70 ON MAY 16	0 ON JUN 9 *	---	1911
1912	---	3.74 ON JUN 16	0 ON JUN 26	---	1912
1913	---	2.07 ON APR 7	0.348 ON NOV 22	29 500	1913
1914	---	1.44 ON JUL 19	0.193 ON NOV 13	14 600	1914
1915	---	9.17 ON JUN 26	0 ON JUL 9	12 900	1915
1916	---	3.68 ON JUN 3	0 B ON JAN 1	14 300	1916
1917	---	0.405 ON JUN 9	0 ON JAN 1	391	1917
1918	---	1.25 ON AUG 13	0 ON JAN 1	2 230	1918
1919	---	0.793 ON AUG 2	0 ON MAR 1	3 720	1919
1920	---	1.59 ON JUN 16	0 B ON MAR 19	4 370	1920
1921	---	1.22 ON MAY 26	0 ON APR 13	5 620	1921
1922	---	1.30 ON JUN 4	0 B ON FEB 23	3 100	1922
1923	---	---	---	---	1923
1924	---	2.42 ON OCT 14	0.028B ON FEB 7	16 400	1924
1925	---	2.01 ON AUG 18	0.059 ON MAY 14	23 000	1925
1926	---	1.40 ON JUN 18	0.045B ON JAN 27	16 900	1926
1927	---	1.20 ON AUG 15	0.011 ON JUL 25	3 750	1927
1928	---	0.190 ON MAY 17	0 B ON DEC 29	1 360	1928
1929	---	19.8 E ON JUN 3 *	0 B ON JAN 1	9 640	1929
1930	---	0.665B ON FEB 18	0.042B ON FEB 15	4 550	1930
1931	---	---	---	---	1931
1933	---	---	---	---	1933
1935	---	0.731 ON AUG 18	---	---	1935
1936	---	---	0 ON APR 1	---	1936
1938	---	0.637 ON OCT 14	0 E ON APR 1	---	1938
1939	---	0.833 ON APR 21	---	---	1939
1940	---	0.708E ON MAY 27	0 ON APR 1	---	1940
1941	---	0.957 ON AUG 30	---	---	1941
1942	---	---	0 ON APR 1	---	1942
1943	---	0.861 ON JUL 4	0 ON APR 1	---	1943
1944	---	0.572 ON AUG 21	0 ON APR 1	---	1944
1945	---	0.861 ON AUG 31	0 ON MAR 1	---	1945
1946	---	1.18 ON AUG 25	0 ON MAR 1	---	1946
1947	---	0.388 ON JUL 27	0 ON APR 1	---	1947
1948	---	0.614 ON SEP 20	0 ON APR 1	---	1948
1949	---	1.78 ON AUG 25	0 ON APR 1	---	1949
1950	---	1.93 ON OCT 16	0 ON APR 1	---	1950
1951	---	1.55 ON AUG 2	0 ON MAR 1	---	1951
1952	---	0.425 ON JUL 21	0 ON MAR 1	---	1952
1953	---	0.883E ON AUG 29	0 E ON MAR 1	---	1953
1954	---	0.731E ON JUL 3	0 ON MAR 1	---	1954
1955	---	0.521 ON AUG 26	0 ON MAR 1	---	1955
1956	---	0.530 ON JUL 27	0 ON MAR 1	---	1956
1957	---	0.241 ON JUL 23	0 ON MAR 1	---	1957
1958	---	0.413 ON AUG 5	0 ON MAR 1	---	1958
1959	---	0.498 ON JUL 25	0 ON MAR 1	---	1959
1960	---	0.705 ON AUG 4	0 E ON MAR 1	---	1960
1961	---	0.782 ON JUL 7	0 ON MAR 1	---	1961
1962	---	0.762 ON SEP 2	---	---	1962
1963	---	6.37 E ON JUN 30	0 ON MAR 1	---	1963
1964	---	0.818 ON JUN 30	0 ON MAR 1	---	1964
1965	---	1.03 ON JUL 13	0 ON MAR 1	---	1965
1966	---	1.47 ON JUL 8	0 ON MAR 1	---	1966
1967	---	1.01 ON AUG 16	0 ON APR 17	---	1967
1968	---	0.847 ON JUL 13	0 ON AUG 10	---	1968
1969	---	5.86 ON JUL 1	---	---	1969
1970	---	1.23 ON JUL 9	0 ON MAY 1	---	1970
1971	---	1.93 ON JUN 16	0 ON MAY 1	---	1971
1972	---	1.59 ON JUL 7	---	---	1972
1973	---	1.33 ON MAY 26	0.019 ON MAY 21	10 200	1973
1974	---	1.03 ON JUL 26	0.068 ON JUN 2	12 100	1974
1975	---	1.55 ON AUG 17	0 ON APR 16	18 400	1975
1976	---	3.68 ON AUG 6	0.142 ON APR 19	23 000	1976
1977	---	2.86 ON AUG 3	0.144B ON DEC 31	22 800	1977
1978	---	0.603 ON JUL 18	0 B ON OCT 25	4 930	1978
1979	---	2.13 ON JUN 1	0.010B ON JAN 1	23 600	1979
1980	---	2.75 ON MAY 24	0.120 ON APR 18	23 200	1980
1981	---	2.90 ON JUL 26	0.190B ON DEC 31	30 000	1981
1982	---	2.54 ON JUN 14	0.046A ON APR 15	23 000	1982
				13 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.753	0.280	0.037	0.437	0.523	0.331	0.327	0.080	---	1918
1919	0.010	0.005	0.003	1.23	0.932	0.349	0.148	0.920	0.381	0.257	0.221	0.067	0.526	1919
1920	0.019	0.005	6.53	12.3	6.46	1.54	1.02	0.087	0.057	0.321	0.410	0.168	3.52	1920
1921	0.011	0.222	1.08	2.27	0.746	0.405	0.313	0.362	0.219	0.309	0.167	0.030	0.709	1921
1922	0	0	0.181	2.34	1.26	0.697	0.330	0.072	0.056	0.111	0.088	0.015	0.626	1922
1923	0	0.002	0.378	0.550	0.456	8.59	2.21	1.01	0.670	0.444	0.848	0.588	1.77	1923
1924	0.095	0.539	0.548	1.76	0.684	1.51	0.978	1.69	1.05	1.18	0.692	0.281	1.17	1924
1925	0.010	0.253	2.40	1.95	0.629	1.84	1.15	1.45	1.65	2.36	---	---	1.68	1925
1926	---	---	1.38	1.01	0.773	2.41	1.98	1.10	4.02	2.92	---	---	1.94	1926
1927	---	---	1.69	1.79	4.23	6.85	3.42	1.93	3.23	4.12	---	---	3.40	1927
1928	---	---	---	4.16	1.73	2.98	3.11	1.81	1.04	1.07	---	---	---	1928
1929	---	---	1.51	1.88	2.55	6.67	1.14	0.546	0.624	0.748	---	---	1.94	1929
1930	---	1.39	1.61	2.48	1.17	0.975	0.526	0.155	0.239	0.384	---	---	0.939	1930
1931	---	---	0.513	0.901	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.713	0.729	---	---	---	1935
1936	---	---	2.93	---	0.462	0.499	---	---	---	---	---	---	---	1936
1955	---	---	2.24	5.87	10.8	4.75	4.05	1.42	1.42	1.22	---	---	3.97	1955
1956	---	---	1.98	2.79	2.80	1.16	1.23	0.674	0.536	0.466	---	---	1.46	1956
1957	---	---	1.22	2.16	1.31	0.692	0.348	0.351	0.511	0.746	---	---	0.915	1957
1958	---	---	0.654	21.4	3.06	1.21	1.12	0.480	0.523	0.421	---	---	3.56	1958
1959	---	---	10.7	1.66	1.80	1.71	0.985	0.555	0.370	0.417	---	---	2.28	1959
1960	---	---	5.07	1.20	1.43	0.609	0.141	0.491	0.359	0.407	---	---	1.22	1960
1961	---	---	0.651	0.581	0.634	0.227	0.452	0.451	0.391	0.447	---	---	0.480	1961
1962	---	---	2.67	2.85	0.645	0.251	0.399	0.317	0.497	0.341	---	---	0.994	1962
1963	---	---	0.543	0.282	0.494	0.823	3.37	1.15	0.673	1.20	---	---	1.07	1963
1964	---	---	0.228	1.24	1.27	0.783	0.749	0.038	0.795	0.699	---	---	0.723	1964
1965	---	---	0.779	3.21	0.499	1.75	3.32	1.39	1.44	1.34	---	---	1.71	1965
1966	---	---	1.96	0.693	1.17	2.07	1.65	0.854	0.355	0.440	---	---	1.15	1966
1967	---	---	4.33	2.50	5.14	4.52	1.23	0.755	0.798	0.895	---	---	2.52	1967
1968	---	---	1.37	0.930	0.415	0.825	0.940	0.856	0.766	0.818	---	---	0.866	1968
1969	---	---	---	7.55	2.47	2.75	9.85	1.48	---	---	---	---	---	1969
1970	---	---	2.05	2.75	2.05	3.95	2.19	0.860	1.10	1.08	---	---	2.00	1970
1971	---	---	5.51	7.91	1.22	2.10	1.47	0.698	0.675	0.835	---	---	2.54	1971
1972	---	---	9.03	2.83	1.86	1.14	1.44	1.35	1.22	0.667	---	---	2.45	1972
1973	---	---	3.26	1.97	1.56	1.44	0.578	0.557	0.882	0.530	---	---	1.35	1973
1974	---	---	2.10	3.44	3.93	1.42	1.31	1.46	1.09	1.11	0.658	---	1.98	1974
1975	---	---	0.592	7.53	3.68	3.02	1.30	1.56	1.41	1.08	---	---	2.51	1975
1976	---	---	2.51	2.08	1.28	1.10	0.849	2.07	1.38	1.17	---	---	1.55	1976
1977	---	---	1.36	1.40	1.01	0.756	0.303	0.846	0.942	0.923	---	---	0.941	1977
1978	---	---	4.46	2.12	1.71	1.29	0.767	0.838	0.929	0.530	---	---	1.58	1978
1979	---	---	2.75	2.57	2.62	0.807	0.862	1.41	1.13	0.949	---	---	1.64	1979
1980	---	---	1.27	2.10	1.96	1.55	1.08	0.788	0.864	1.07	---	---	1.33	1980
1981	---	---	1.13	0.769	3.58	2.91	2.52	2.46	1.70	1.47	---	---	2.07	1981
1982	---	---	0.615	---	---	---	2.34	1.30	1.57	1.42	---	---	---	1982
MEAN	0.021	0.302	2.29	3.18	2.03	1.98	1.54	0.952	0.946	0.926	0.426	0.176	1.70	MEAN

LOCATION - LAT 50 07 50 N DRAINAGE AREA, 2 780 km^2
LONG 113 07 10 W REGULATED SINCE 1910

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	2.49 ON AUG 17	0 ON OCT 12 *	---	1918
1919	---	4.93 ON AUG 4	0 B ON MAR 4	11 100	1919
1920	---	67.4 ON APR 21	0.001B ON MAR 1	74 600	1920
1921	---	7.48B ON APR 2	0.025 ON JUL 3	15 000	1921
1922	---	7.08 ON APR 23	0 B ON MAR 1	13 200	1922
1923	38.5 ON JUN 4	28.0 ON JUN 4	0.082 ON OCT 29	37 500	1923
1924	---	8.21B ON APR 8	0.396 ON MAY 16	24 800	1924
1925	---	9.17B ON MAR 27	0.425 ON MAY 18	35 500	1925
1926	16.8 ON JUN 21	15.7 ON JUN 21	0.340B ON MAR 1	41 100	1926
1927	---	15.5 ON MAY 31	0.255B ON MAR 1	72 000	1927
1928	---	---	---	---	1928
1929	---	37.7 ON JUN 5	0 B ON MAR 1	41 200	1929
1930	---	9.34B ON MAR 29	0.088 ON AUG 30	19 900	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1955	38.5 B AT 16:00 MST ON MAR 31	25.4 ON MAY 25	0.085B ON MAR 1	84 100	1955
1956	---	13.7 E ON MAR 20	0.028B ON MAR 1	30 800	1956
1957	3.57 AT 07:00 MST ON APR 19	3.26 ON APR 20	0.221 ON JUL 19	19 400	1957
1958	---	80.1 B ON APR 2 *	0.085B ON MAR 12	75 400	1958
1959	38.5 B AT 11:00 MST ON MAR 18	33.1 B ON MAR 16	0.085B ON MAR 8	48 300	1959
1960	47.0 B AT 11:00 MST ON MAR 18 *	31.1 B ON MAR 18	0 ON JUL 27	25 800	1960
1961	2.46B AT 09:00 MST ON MAR 22	1.90B ON MAR 22	0 ON JUN 17	10 200	1961
1962	---	10.8 ON APR 2	0.037 ON JUL 5	21 100	1962
1963	---	19.7 ON JUL 2	0.147 ON MAY 1	22 700	1963
1964	---	3.00 ON MAY 6	0 ON AUG 12	15 300	1964
1965	---	9.37 ON JUL 12	0.040B ON MAR 28	36 200	1965
1966	12.5 B AT 23:30 MST ON MAR 10	10.3 B ON MAR 11	0.008B ON MAR 1	24 300	1966
1967	---	21.2 B ON MAR 24	0.040B ON MAR 18	53 300	1967
1968	---	2.62 ON JUN 10	0.224 ON JUN 28	18 300	1968
1969	30.6 AT 16:46 MST ON JUL 8	29.4 ON JUL 8	---	---	1969
1970	---	23.8 A ON JUN 15	0.085B ON MAR 1	42 200	1970
1971	26.8 AT 21:00 MST ON APR 5	22.7 ON APR 7	0.385 ON AUG 17	53 800	1971
1972	---	47.3 B ON MAR 17	0 B ON MAR 1	51 900	1972
1973	8.95B AT 16:30 MST ON MAR 3	6.40B ON MAR 3	0.241 ON JUL 29	28 500	1973
1974	14.7 B AT 18:45 MST ON MAR 30	9.34B ON MAR 31	0.382B ON MAR 1	42 000	1974
1975	---	26.2 B ON APR 19	0.241B ON MAR 11	53 000	1975
1976	12.8 B AT 16:20 MST ON MAR 20	11.2 B ON MAR 20	0.433 ON JUL 12	32 900	1976
1977	4.76 AT 12:35 MST ON APR 7	3.14 ON APR 7	0 ON JUL 31	19 900	1977
1978	---	13.0 B ON MAR 23	0.127B ON MAR 1	33 500	1978
1979	---	15.9 B ON MAR 8	0 B ON MAR 1	34 700	1979
1980	5.87 AT 11:45 MST ON MAY 24	5.39 ON MAY 28	0.182B ON MAR 6	28 200	1980
1981	10.7 AT 08:15 MST ON MAY 17	9.16 ON MAY 17	0.538 ON APR 28	43 900	1981
1982	7.69 AT 08:22 MST ON JUL 2	7.19 ON JUL 2	0.004B ON MAR 6	---	1982
MEAN				36 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.566	0.566	0.554	0.498	0.471	0.450	0.439	0.293	0.518	1957
1958	0.296	0.407	0.777	0.791	0.421	0.466	0.397	0.254	0.223	0.244	0.188	0.132	0.334	1958
1959	0.145	0.311	0.353	0.364	0.337	0.393	0.357	0.298	0.268	0.237	0.191	0.158	0.315	1959
1960	0.271	0.274	0.555	0.344	0.287	0.261	0.272	0.312	0.294	0.344	0.359	0.222	0.295	1960
1961	0.223	0.368	0.424	0.523	0.639	0.524	0.438	0.498	0.422	0.290	0.279	0.232	0.469	1961
1962	0.288	0.319	0.487	0.310	0.362	0.444	0.185	0.243	0.367	0.523	0.383	0.328	0.353	1962
1963	0.315	0.421	0.392	0.524	0.760	0.556	0.556	0.290	0.344	0.299	0.232	0.305	0.468	1963
1964	0.251	0.370	0.506	0.344	0.461	0.548	0.526	0.296	0.443	0.353	0.370	0.396	0.437	1964
1965	0.191	0.251	0.302	0.399	0.454	0.434	0.432	0.422	0.456	0.583	0.930	0.961	0.464	1965
1966	0.790	1.06	0.807	0.803	0.864	1.10	0.678	0.555	0.659	0.577	0.643	0.592	0.737	1966
1967	0.470	0.624	0.548	0.837	1.06	1.07	0.910	0.781	0.839	0.537	0.405	0.405	0.866	1967
1968	0.390	0.353	0.402	0.560	0.817	0.802	0.608	0.499	0.422	0.365	0.377	0.304	0.585	1968
1969	0.271	0.318	0.497	0.696	0.747	0.627	0.834	0.633	0.668	0.589	---	---	0.683	1969
1970	---	---	---	0.511	0.569	0.556	0.747	0.663	0.542	0.484			0.594	1970
1971	---	---	---	---	0.698	0.774	0.599	0.683	0.508	0.474	---	---	0.622	1971
1972	3.53	0.978	4.17	5.25	2.24	0.992	0.610	0.314	0.315	0.298	1.69	5.54	0.797	1972
1973	---	---	---	---	0.228	0.346	0.386	0.369	0.318	0.262	---	---	0.318	1973
1974	---	---	0.300	0.338	0.444	0.425	0.340	0.351	0.265	0.234	---	---	0.343	1974
1975	---	---	0.101	0.185	0.379	0.296	0.338	0.219	0.240	0.931	---	---	0.401	1975
1976	---	---	---	0.445	0.573	0.562	0.425	0.397	0.420	0.347	---	---	0.453	1976
1977	---	---	---	---	0.368	0.388	0.332	0.348	0.753	0.554	---	---	0.456	1977
1978	---	---	---	---	0.412	0.478	0.616	0.501	0.482	0.412	---	---	0.484	1978
1979	---	---	---	---	0.376	0.411	0.457	0.596	0.376	0.316	---	---	0.422	1979
1980	---	---	---	---	0.561	0.621	0.676	0.547	0.467	0.277	---	---	0.525	1980
1981	---	---	---	---	1.14	1.11	1.08	1.03	1.05	0.834	---	---	1.04	1981
1982	---	---	---	0.630	0.731	0.774	0.777	0.565	0.649	0.694	---	---	0.698	1982
MEAN	0.572	0.466	0.708	0.770	0.634	0.597	0.543	0.468	0.472	0.443	0.499	0.759	0.526	MEAN

LOCATION - LAT 50 08 04 N   DRAINAGE AREA, 5 330 km^2
LONG 112 40 14 W   REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES FREQUENTLY OCCUR OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	0.640 ON AUG 11	0.085 ON AUG 7	8 230	1957
1958	---	0.702 ON JUN 30	0.113 ON SEP 19	5 310	1958
1959	---	0.544 ON JUN 27	0.207 ON OCT 29	5 010	1959
1960	---	0.476 ON OCT 20	0.102 ON OCT 18	4 690	1960
1961	---	0.731 ON MAY 26	0.249E ON OCT 30	7 440	1961
1962	---	0.646 ON AUG 27	0.011 ON SEP 7	5 620	1962
1963	---	0.974 ON MAY 16	0.048 ON OCT 18	7 440	1963
1964	---	0.674 ON JUL 7	0 ON AUG 15 *	6 960	1964
1965	---	0.651E ON OCT 26	0.402 ON MAY 1	7 370	1965
1966	---	1.34 ON JUN 11	0.470 ON AUG 8	11 700	1966
1967	---	1.31 ON JUN 18	0.278 ON OCT 20	13 800	1967
1968	---	1.24 ON MAY 26	0.354 ON OCT 17	9 310	1968
1969	---	1.28 ON JUL 11	0.532 ON OCT 29	10 900	1969
1970	---	0.858 ON JUL 14	0.467 ON OCT 23	9 440	1970
1971	---	0.917 ON AUG 23	0.283E ON OCT 26	9 900	1971
1972	---	6.60 ON MAY 4 *	0.003 ON OCT 4	12 700	1972
1973	---	0.442 ON JUL 1	0.093 ON MAY 7	5 050	1973
1974	---	0.515 ON MAY 12	0.210 ON OCT 20	5 460	1974
1975	---	1.69 ON OCT 17	0.156 ON OCT 13	6 380	1975
1976	1.21 AT 23:15 MST ON MAY 9	0.951 ON MAY 10	0.317 ON JUL 28	7 220	1976
1977	---	3.77 E ON SEP 28	0.263 ON JUL 24	7 240	1977
1978	2.81 AT 08:25 MST ON JUL 7 *	2.67 ON JUL 7	0.362 ON JUL 23	7 680	1978
1979	---	0.746 ON AUG 10	0.067 ON OCT 1	6 730	1979
1980	---	0.861 ON JUL 5	0.006 ON OCT 30	8 340	1980
1981	---	1.31 ON MAY 16	0.023 ON OCT 31	16 500	1981
1982	1.66 AT 18:50 MST ON AUG 10	1.01 ON JUL 1	0.442 ON AUG 12	11 100	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 370	MEAN

E - ESTIMATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	1.01	1.84	1.66	1.29	1.61	1.30	---	---	1.45	1973
1974	---	---	---	---	0.911	1.67	1.76	1.89	1.76	1.44	---	---	1.57	1974
1975	---	---	---	---	0.797	0.991	1.46	1.90	1.65	1.77	---	---	1.43	1975
1976	---	---	---	---	1.20	1.99	1.62	1.54	1.52	1.09	---	---	1.49	1976
1977	---	---	---	---	1.05	1.38	0.972	1.03	1.40	1.49	---	---	1.22	1977
1978	---	---	---	---	0.689	0.551	1.67	2.58	2.37	1.40	---	---	1.54	1978
1979	---	---	---	---	0.620	1.31	0.671	1.26	1.07	0.895	---	---	0.970	1979
1980	---	---	---	---	1.47	0.976	1.34	1.75	1.49	1.22	---	---	1.37	1980
1981	---	---	---	---	2.00	2.05	2.39	2.42	1.97	1.88	---	---	2.12	1981
1982	---	---	---	---	0.949	1.65	2.31	1.48	1.61	1.14	---	---	1.52	1982
MEAN	---	---	---	---	1.07	1.44	1.59	1.71	1.65	1.36	---	---	1.47	MEAN

LOCATION - LAT 49 54 00 N DRAINAGE AREA, 5 880 km²
LONG 112 30 20 W REGULATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	4.56 ON JUN 16	0.187E ON MAY 1	23 000	1973
1974	---	3.09 ON AUG 13	0.326 ON OCT 31	25 000	1974
1975	---	3.11 ON OCT 19	0.399 ON MAY 29	22 700	1975
1976	3.54 AT 13:10 MST ON AUG 6	3.17 ON AUG 6	0.396 ON OCT 30	23 700	1976
1977	4.05 AT 09:15 MST ON SEP 29	3.60 ON SEP 29	0.246 ON AUG 7	19 400	1977
1978	7.31 AT 01:55 MST ON AUG 23 *	5.52 ON AUG 23	0.303 ON JUN 5	24 500	1978
1979	---	3.47 ON AUG 22	0.215 ON AUG 2	15 400	1979
1980	---	6.32 ON MAY 25	0.124 ON OCT 31 *	21 900	1980
1981	---	4.92 ON JUN 14	0.221 ON OCT 31	33 700	1981
1982	---	12.6 ON JUL 2 *	0.584E ON MAY 1	24 200	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		23 400	MEAN

E - ESTIMATED

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	7.78	4.82	2.69	2.34	2.09	---	---	---	1978
1979	---	---	---	---	2.87	4.71	2.89	1.91	1.51	1.23	---	---	2.51	1979
1980	---	---	---	---	4.36	8.32	3.01	2.90	2.57	2.04	---	---	3.85	1980
1981	---	---	---	---	6.39	6.91	6.05	3.13	1.96	1.46	---	---	4.32	1981
1982	---	---	---	---	2.12	6.79	3.04	1.76	1.62	1.58	---	---	2.80	1982
MEAN	---	---	---	---	3.94	6.90	3.96	2.48	2.00	1.68	---	---	3.37	MEAN

LOCATION - LAT 50 47 42 N DRAINAGE AREA, 129 km²
LONG 114 55 00 W NATURAL FLOW

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	19.0 AT 20:00 MST ON JUN 5 *	14.2 ON JUN 5	---	---	1978
1979	13.4 AT 23:00 MST ON MAY 26	9.64 ON MAY 27	1.11 ON OCT 30	40 000	1979
1980	17.3 AT 20:00 MST ON JUN 10	13.6 ON JUN 10	1.74 A ON OCT 31	61 300	1980
1981	---	23.0 E ON MAY 26 *	1.31 ON MAY 8	68 600	1981
1982	11.8 AT 20:39 MST ON JUN 13	10.1 ON JUN 16	0.981 ON MAY 6 *	44 600	1982
				53 600	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.118	8.81	1.73	0.305	0.392	0.019	0	0	---	---	1.40	1963
1964	---	---	0	0.295	1.19	0.114	0.201	0.234	0.594	0.287	---	---	0.364	1964
1965	---	---	0.010	8.06	3.40	7.48	3.24	0.255	0.279	0.129	---	---	2.83	1965
1966	---	---	0.727	3.03	2.46	1.52	1.25	1.29	0.483	0.194	---	---	1.37	1966
1957	---	---	0	1.49	2.29	0.555	0.017	0.004	0	0	---	---	0.543	1967
1968	---	---	0.768	0.257	0.850	0.021	0.003	0.008	0.010	0.119	---	---	0.256	1968
1969	---	---	0.003	4.17	0.429	0.057	0.033	0.657	0.753	0.167	---	---	0.773	1969
1970	---	---	0.344	3.93	0.916	0.185	0.290	0.063	0.004	0.012	---	---	0.709	1970
1971	---	---	0.014	5.90	1.02	4.16	10.8	0.335	0.123	0.150	---	---	2.80	1971
1972	---	---	0.610	5.73	3.25	2.54	0.464	0.287	0.045	---	---	---	---	1972
1973	---	---	0.240	2.56	1.88	2.86	0.538	0.386	0.413	0.762	---	---	1.20	1973
1974	---	---	0.114	17.3	6.70	0.630	3.02	0.339	0.167	0.121	---	---	3.52	1974
1975	---	---	0.039	2.42	1.60	2.78	0.739	0.195	0.167	0.163	---	---	1.00	1975
1976	---	---	0.527	2.21	0.263	0.175	0.094	0.682	0.536	0.195	---	---	0.580	1976
1977	---	---	0.321	2.71	6.69	1.68	3.47	0.545	1.01	0.279	---	---	2.09	1977
1978	---	---	1.15	1.69	1.46	2.10	2.14	0.403	2.60	0.574	---	---	1.51	1978
1979	---	---	2.09	3.80	4.22	4.03	5.39	0.242	0.034	0.051	---	---	2.48	1979
1980	---	---	0.062R	3.53 R	0.554R	5.66 R	0.890R	0.667R	0.660R	0.308R	---	---	1.52 R	1980
1981	---	---	1.71	1.38	0.881	0.578	0.412	0.150	0.024	0.075	---	---	0.651	1981
1982	---	---	0.010	5.12	2.18	0.370	2.41	0.363	0.263	0.174	---	---	1.36	1982
MEAN	---	---	0.443R	4.22 R	2.20 R	1.89 R	1.79 R	0.356R	0.408R	0.198R	---	---	1.42	MEAN

LOCATION - LAT 53 57 51 N DRAINAGE AREA, 298 km^2
LONG 115 10 29 W NATURAL FLOW

R - REVISED SINCE JAN 1980

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	34.8 A ON APR 16	32.0 A ON APR 16	0 B ON MAR 1 *	29 600	1963
1964	---	6.06 ON MAY 7	0 B ON MAR 1	7 710	1964
1965	---	66.3 ON JUN 28 *	0 ON AUG 24	59 800	1965
1966	---	14.0 B ON APR 1	0.003B ON MAR 1	28 900	1966
1967	---	5.80 ON APR 25	0 B ON MAR 1	11 500	1967
1968	---	7.14 ON MAY 7	0 ON JUL 1	5 440	1968
1969	---	16.3 ON APR 12	0.003B ON MAR 1	16 400	1969
1970	---	7.22A ON APR 15	0 ON SEP 26	15 000	1970
1971	84.4 AT 17:00 MST ON JUL 11 *	63.4 ON JUL 11	0 B ON MAR 1	59 300	1971
1972	21.0 AT 17:00 MST ON MAY 19	17.8 ON JUN 26	---	---	1972
1973	16.8 AT 10:00 MST ON JUN 26	14.6 ON JUN 26	0.031B ON MAR 1	25 300	1973
1974	51.3 B AT 21:00 MST ON APR 17	48.7 ON APR 18	0.048 ON SEP 5	74 500	1974
1975	34.5 AT 07:30 MST ON JUN 29	30.6 ON JUN 29	0.014B ON APR 5	21 200	1975
1976	---	4.93B ON APR 7	0.028B ON MAR 1	12 300	1976
1977	51.0 AT 00:30 MST ON MAY 30	37.9 ON MAY 29	0.059B ON MAR 25	44 300	1977
1978	29.2 AT 03:00 MST ON JUL 12	18.3 ON JUL 12	0.031B ON MAR 1	31 900	1978
1979	32.4 AT 00:50 MST ON JUN 15	26.3 ON JUL 12	0.011B ON MAR 3	52 500	1979
1980	46.0 R ON JUN 17	26.7 RA ON JUN 18	0.010RB ON MAR 3	32 200R	1980
1981	7.14 AT 23:30 MST ON MAR 15	5.48B ON MAR 15	0.004 ON AUG 28	13 800	1981
1982	32.5 AT 09:20 MST ON APR 23	31.0 B ON APR 23	0.003B ON MAR 1	28 700	1982
				30 000R	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	1.67	0.842	0.936	0.632	0.385	---	1960
1961	0.776	0.532	2.70	3.34	6.81	1.31	0.778	1.42	0.602	1.55	0.530	0.155	1.72	1961
1962	0.145	0.038	3.48	7.78	5.73	3.46	5.91	2.84	2.00	1.08	1.37	0.670	2.89	1962
1963	0.115	3.03	3.78	5.63	2.32	5.64	5.61	3.05	1.59	0.774	0.291	0.201	2.66	1963
1964	0.210	0.073	0.781	4.96	17.9	12.4	10.6	1.56	1.82	1.60	1.80	0.682	4.55	1964
1965	0.185	0.099	8.00	32.7	4.21	17.0	32.7	10.2	13.1	7.68	3.53	1.94	11.0	1965
1966	1.14	1.00	9.13	8.69	9.38	11.5	18.4	6.65	3.09	3.39	2.44	1.35	6.39	1966
1967	1.23	0.993	1.17	16.1	22.4	21.3	4.58	2.24	1.02	1.41	1.15	0.419	6.17	1967
1968	0.480	1.74	3.74	3.90	2.99	4.86	2.87	3.43	2.21	3.30	1.82	0.686	2.67	1968
1969	0.564	0.416	0.615	25.7	9.31	9.70	24.6	4.21	2.73	2.60	2.30	1.00	7.00	1969
1970	0.509	0.316	3.75	8.19	7.55	25.2	12.5	2.48	1.80	1.98	0.893	0.371	5.47	1970
1971	0.519	0.913	1.48	34.8	5.33	14.0	3.25	0.939	0.804	1.12	0.874	0.199	5.31	1971
1972	0.078	0.048	8.84	8.16	4.66	11.4	9.38	3.60	2.39	2.20	0.983	0.330	4.34	1972
1973	0.344	0.538	8.61	24.0	15.6	10.2	5.49	2.41	2.30	1.69	1.00	0.902	6.10	1973
1974	0.674	0.629	0.754	27.9	31.3	8.59	3.77	2.42	2.11	2.08	1.26	0.561	6.86	1974
1975	0.327	0.198	0.374	11.3	7.67	2.48	1.12	0.958	0.624	0.617	0.278	0.210	2.18	1975
1976	0.318	0.429	0.629	4.79	2.16	1.60	0.504	2.39	0.854	0.891	0.570	0.323	1.29	1976
1977	0.360	0.427	0.571	2.63	6.34	3.24	1.31	1.88	1.91	1.73	0.634	0.157	1.77	1977
1978	0.107	0.091	4.71	12.1	8.38	7.51	3.59	4.07	5.01	2.74	1.74	0.924	4.25	1978
1979	0.325	0.153	10.5	11.3	7.52	4.25	1.85	1.25	0.915	0.895	0.386	0.323	3.32	1979
1980	0.080	0.029	0.180	9.44	3.27	8.44	3.47	2.23	1.66	1.36	1.27	0.787	2.67	1980
1981	0.922	0.320	2.25	2.86	16.5	7.39	9.36	10.2	2.77	2.61	1.53	0.335	4.80	1981
1982	0.026	0.017	0.135	8.96	5.80	6.49	10.7	2.80	2.37	2.66	1.01	0.369	3.46	1982
MEAN	0.429	0.547	3.46	12.5	9.23	9.00	7.83	3.26	2.37	2.04	1.23	0.577	4.40	MEAN

LOCATION - LAT 52 01 40 N   DRAINAGE AREA, 2 560 km²
LONG 114 08 20 W   NATURAL FLOW

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	13.4 AT 17:00 MST ON MAY 4	12.7 ON MAY 5	0.003B ON DEC 29 *	54 200	1961
1962	---	15.3 ON JUL 9	0.003B ON JAN 26	91 100	1962
1963	---	15.5 ON JUN 24	0.011B ON FEB 5	83 800	1963
1964	---	117 ON MAY 7	0.025B ON FEB 20	144 000	1964
1965	---	79.9 ON JUL 9	0.085B ON FEB 21	346 000	1965
1966	---	109 ON JUL 4	0.988B ON FEB 13	201 000	1966
1967	---	87.5 ON JUN 1	0.258B ON DEC 31	195 000	1967
1968	---	15.6 ON JUN 9	0.207B ON JAN 8	84 300	1968
1969	---	128 B ON APR 4	0.309B ON FEB 20	221 000	1969
1970	---	150 ON JUN 17 *	0.283B ON FEB 14	172 000	1970
1971	---	104 ON APR 15	0.093B ON DEC 30	168 000	1971
1972	---	74.8 ON JUN 26	0.028B ON MAR 9	137 000	1972
1973	---	57.5 ON APR 12	0.255B ON JAN 1	192 000	1973
1974	---	88.9A ON APR 17	0.425B ON DEC 30	216 000	1974
1975	45.3 AT 12:00 MST ON APR 20	40.2 ON APR 20	0.176B ON NOV 20	68 600	1975
1976	---	17.4 ON APR 10	0.283B ON JAN 1	40 700	1976
1977	14.3 AT 00:30 MST ON MAY 31	13.4 ON MAY 31	0.144B ON NOV 24	55 900	1977
1978	---	39.4B ON MAR 30	0.088B ON MAR 1	134 000	1978
1979	38.0B AT 14:30 MST ON APR 11	25.0B ON APR 12	0.060B ON FEB 21	105 000	1979
1980	33.5 AT 07:30 MST ON APR 16	27.8 ON APR 16	0.020B ON FEB 26	84 500	1980
1981	45.7 AT 24:00 MST ON JUL 31 *	38.3 ON AUG 1	0.050B ON DEC 31	152 000	1981
1982	26.5 AT 06:00 MST ON JUL 6	25.2 ON JUL 6	0.006B ON MAR 14	109 000	1982
				139 000	MEAN

A - MANUAL GAUGE   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	---	---	0.510	---	---	---	---	1961
1962	---	---	0.064	---	---	---	---	2.14	1.25	0.580	---	---	---	1962
1963	---	---	0.100	2.02	1.22	---	---	---	---	0.571	---	---	---	1963
1964	---	---	0.089	1.45	8.06	5.54	6.47	0.851	0.889	0.700	---	---	3.01	1964
1965	---	---	0.138	3.56	2.01	9.64	13.9	5.20	5.27	3.32	---	---	5.37	1965
1966	---	---	1.04	1.20	3.41	5.12	5.75	2.52	1.04	0.714	---	---	2.60	1966
1967	---	---	0.405	0.771	9.29	9.35	1.85	0.858	0.392	0.505	---	---	2.92	1967
1968	---	---	0.573	0.891	1.21	2.39	1.10	1.77	1.17	1.66	---	---	1.34	1968
1969	---	---	0.619	4.40	4.88	7.83	14.0	2.11	1.08	0.942	---	---	4.49	1969
1970	---	---	0.291	1.57	3.57	8.88	3.17	0.739	0.680	0.667	---	---	2.43	1970
1971	---	---	0.197	3.35	1.41	4.47	1.22	0.404	0.440	0.413	---	---	1.47	1971
1972	---	---	0.370	1.35	2.17	6.36	5.01	1.78	1.50	0.982	---	---	2.43	1972
1973	---	---	0.796	2.90	9.30	6.24	2.21	1.04	0.898	0.781	---	---	3.02	1973
1974	---	---	0.323	5.76	13.8	4.08	1.75	1.30	1.05	0.966	---	---	3.63	1974
1975	---	---	0.083	0.978	2.65	1.16	0.718	0.561	0.330	0.336	---	---	0.852	1975
1976	---	---	---	2.06	1.49	1.19	0.438	1.85	0.678	0.402	---	---	---	1976
1977	---	---	0.164	1.26	---	---	0.685	1.18	1.18	0.795	---	---	---	1977
1978	---	---	0.969	4.16	4.52	4.09	2.28	1.87	2.70	1.35	---	---	2.73	1978
1979	---	---	1.06	3.18	4.10	1.94	0.913	0.851	0.598	0.493	---	---	1.64	1979
1980	---	---	0.080	3.02	2.39	5.05	1.89	1.20	1.18	0.914	---	---	1.95	1980
1981	---	---	0.481	1.11	9.88	4.44	6.84	6.71	1.60	1.40	---	---	4.08	1981
1982	---	---	0.354	1.59	2.34	3.30	4.02	1.15	1.06	0.940	---	---	1.84	1982
MEAN	---	---	0.410	2.33	4.62	5.06	3.91	1.80	1.21	0.925	---	---	2.69	MEAN

LOCATION - LAT 51 30 41 N   DRAINAGE AREA, 449 km²
LONG 114 40 19 W   NATURAL FLOW

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	43.0 ON MAY 7	0.020B ON MAR 1	63 700	1964
1965	---	43.6 ON JUL 22	0.113B ON MAR 1	114 000	1965
1966	28.0 AT 18:00 MST ON JUL 3	22.8 ON JUL 3	0.235B ON OCT 31	55 100	1966
1967	73.1 AT 05:00 MST ON MAY 31	58.6 ON MAY 31	0.337B ON MAR 1	61 800	1967
1968	8.98 AT 15:45 MST ON JUN 8	7.05 ON JUN 8	0.133B ON MAR 1	28 400	1968
1969	85.5 AT 16:00 MST ON JUN 29 *	64.3 ON JUN 29 *	0.221B ON MAR 1	95 000	1969
1970	70.5 AT 15:35 MST ON JUN 16	52.4 ON JUN 16	0.198B ON MAR 1	51 500	1970
1971	21.4 AT 01:00 MST ON JUN 7	17.0 ON JUN 7	0.142B ON MAR 5	31 200	1971
1972	50.1 AT 17:00 MST ON JUN 25	39.9 ON JUN 25	0.057B ON MAR 1	51 500	1972
1973	44.5 AT 23:45 MST ON MAY 26	35.4 ON MAY 27	0.005B ON MAR 14 *	63 900	1973
1974	34.5 AT 01:40 MST ON MAY 1	24.2 ON MAY 1	0.275B ON MAR 16	76 900	1974
1975	11.1 AT 04:30 MST ON MAY 8	9.20 ON MAY 8	0.034B ON MAR 1	18 000	1975
1976	8.83 AT 02:30 MST ON AUG 10	7.76 ON AUG 10	---	---	1976
1977	10.8 A AT 22:00 MST ON MAY 17	9.54A ON MAY 16	---	---	1977
1978	28.0 AT 24:00 MST ON APR 28	18.0 ON APR 29	0.150B ON MAR 1	57 800	1978
1979	12.6 B AT 18:00 MST ON APR 25	8.48B ON APR 8	0.080B ON MAR 8	34 700	1979
1980	14.4 AT 05:00 MST ON JUN 5	13.3 ON JUN 5	0.062B ON MAR 1	41 300	1980
1981	40.2 AT 21:30 MST ON JUL 30	25.1 ON JUL 30	0.062B ON MAR 7	86 400	1981
1982	10.1 AT 07:21 MST ON JUL 5	9.50 ON JUL 5	0.175B ON MAR 3	39 000	1982
				57 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	6.60	4.94	2.41	3.14	---	---	---	1967
1968	---	---	3.24	7.07	41.4	37.2	16.8	36.1	13.3	7.78	---	---	20.4	1968
1969	---	---	2.31	31.5	25.6	7.53	8.98	16.7	13.8	11.0	---	---	14.7	1969
1970	---	---	2.76	18.0	47.7	13.6	7.92	5.59	2.37	3.11	---	---	12.6	1970
1971	---	---	1.53	29.0	28.7	74.6	117	16.6	11.8	17.3	---	---	37.1	1971
1972	---	---	4.93	28.7	70.3	60.3	28.5	24.4	10.6	26.7	---	---	31.8	1972
1973	---	---	3.56	28.2	78.2	30.5	14.6	19.9	8.64	18.5	---	---	25.3	1973
1974	---	---	3.26	50.5	114	14.7	10.8	5.30	5.52	4.58	---	---	26.1	1974
1975	---	---	2.22	10.3	35.8	14.7	21.7	5.70	4.36	3.31	---	---	12.3	1975
1976	---	---	2.06	32.1	28.1	18.7	16.2	56.4	29.4	9.13	---	---	24.0	1976
1977	---	---	3.53	28.0	90.8	51.3	66.4	35.6	27.7	20.8	---	---	40.6	1977
1978	---	---	4.17	12.3	39.5	62.5	27.6	16.3	44.6	12.8	---	---	27.3	1978
1979	---	---	4.43	10.8	71.2	59.7	52.6	10.9	6.46	5.86	---	---	27.8	1979
1980	---	---	2.52	26.1	28.4	97.7	46.7	15.6	24.8	10.7	---	---	31.3	1980
1981	---	---	5.45	19.2	41.7	46.9	16.2	12.3	4.43	4.00	---	---	18.7	1981
1982	---	---	3.24	4.30	98.4	28.3	111	56.4	22.4	13.4	---	---	42.4	1982
MEAN	---	---	3.28	22.4	56.0	41.2	35.6	21.2	14.5	10.8	---	---	26.2	MEAN

LOCATION - LAT 54 44 24 N   DRAINAGE AREA, 3 010 km^2
LONG 117 10 46 W   NATURAL FLOW

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	106 AT 20:00 MST ON JUN 14	93.4 ON JUN 15	2.10B ON MAR 1	432 000	1968
1969	---	68.5 ON APR 19	1.84B ON MAR 1	310 000	1969
1970	---	79.3 ON MAY 12	1.42 ON SEP 3	268 000	1970
1971	337 AT 06:00 MST ON JUL 13	323 ON JUL 13	1.05B ON MAR 15 *	784 000	1971
1972	253 AT 11:30 MST ON JUN 26	223 ON JUN 26	2.44B ON MAR 1	673 000	1972
1973	168 AT 07:00 MST ON MAY 29	158 ON MAY 29	2.89B ON MAR 17	535 000	1973
1974	227 AT 11:00 MST ON MAY 12	222 ON MAY 12	3.11B ON MAR 7	554 000	1974
1975	83.3 AT 02:00 MST ON JUL 1	79.9 ON JUL 1	1.95B ON MAR 3	260 000	1975
1976	143 AT 00:30 MST ON AUG 19	133 ON AUG 19	1.84B ON MAR 19	508 000	1976
1977	218 AT 07:00 MST ON MAY 7	215 ON MAY 7	3.00B ON MAR 22	859 000	1977
1978	272 AT 05:30 MST ON JUN 16	254 ON JUN 16	2.94B ON MAR 1	579 000	1978
1979	188 AT 14:00 MST ON JUL 13	180 ON JUL 13	3.68B ON MAR 1	589 000	1979
1980	250 AT 06:30 MST ON JUN 6	248 ON JUN 6	2.25B ON MAR 25	663 000	1980
1981	138 AT 07:00 MST ON JUN 3	134 ON JUN 3	3.22 ON OCT 7	397 000	1981
1982	445 E AT 21:00 MST ON JUL 16 *	388 ON JUL 17 *	2.89B ON MAR 5	898 000	1982
				554 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	16.8	16.6	6.33	---	1959
1960	3.55	3.44	6.23	51.1	120	164	65.6	17.8	8.50	6.57	5.23	2.82	37.9	1960
1961	2.99	2.19	3.75	13.4	48.2	30.1	120	19.1	4.55	13.9	14.4	5.20	23.4	1961
1962	2.75	1.66	5.76	217	262	76.6	69.8	39.4	53.6	18.5	12.5	7.48	64.2	1962
1963	7.82	5.99	8.44	310	217	50.4	17.6	13.7	10.3	10.1	1.82	1.30	54.5	1963
1964	2.24	3.34	5.16	34.7	---	---	---	334	114	66.0	18.8	11.3	---	1964
1965	7.47	6.17	6.66	226	228	160	229	118	110	42.3	15.4	10.6	97.0	1965
1966	4.12	5.29	5.37	119	239	76.9	49.3	100	77.9	17.9	11.6	8.28	59.9	1966
1967	4.60	4.78	5.88	60.3	177	99.9	18.6	10.7	5.28	5.40	3.55	1.66	33.2	1967
1968	2.08	3.38	6.32	21.8	82.3	110	36.0	50.5	21.9	13.6	7.21	5.34	30.0	1968
1969	2.76	1.62	2.94	108	73.7	17.9	13.8	19.1	32.1	21.3	12.4	7.75	26.2	1969
1970	4.68	4.35	5.05	109	130	47.9	24.8	19.6	9.77	7.65	3.43	3.06	30.8	1970
1971	3.59	3.35	4.48	117	79.8	210	347	47.1	20.2	35.7	12.7	12.3	74.8	1971
1972	6.36	5.43	11.8	119	228	128	82.3	55.0	21.7	34.0	25.8	14.2	61.1	1972
1973	8.10	7.04	7.78	126	194	125	46.7	47.1	24.1	40.6	19.1	11.1	54.9	1973
1974	8.59	7.53	7.41	289	355	53.3	39.0	10.9	12.5	9.37	4.83	4.63	67.0	1974
1975	4.70	4.74	4.73	39.9	89.0	53.8	71.8	18.4	22.4	11.0	12.4	6.10	28.4	1975
1976	5.19	5.31	4.62	177	82.9	179	108	176	90.3	31.3	16.0	8.31	73.7	1976
1977	7.20	8.62	8.12	137	248	173	143	68.6	50.4	50.5	12.4	7.44	76.5	1977
1978	6.07	4.65	8.02	54.3	114	199	61.6	32.9	113	49.2	17.5	11.9	56.0	1978
1979	6.18	4.48	6.97	66.2	269	229	208	38.9	14.5	11.0	3.75	3.59	72.3	1979
1980	4.41	3.46	3.79	62.1	55.4	192	111	36.0	60.8	38.4	19.9	9.51	49.6	1980
1981	7.84	6.47	10.7	77.5	92.4	91.7	27.5	25.0	5.70	6.64	5.71	1.59	29.9	1981
1982	1.3[illegible]	1.79	3.25	13.8	187	49.8	164	161	42.7	22.0	9.62	6.83	55.9	1982
MEAN	4.99	4.57	6.23	111	162	114	93.4	63.4	40.3	24.2	11.8	7.03	52.6	MEAN

LOCATION - LAT 55 27 25 N   DRAINAGE AREA, 11 100 km²
LONG 117 09 40 W   NATURAL FLOW

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	399 AT 06:00 MST ON JUN 24	391 ON JUN 24	2.10 B ON DEC 21	1 200 000	1960
1961	648 AT 18:00 MST ON JUL 3	643 ON JUL 3	1.02 B ON FEB 11	739 000	1961
1962	---	547 ON MAY 22	0.651B ON FEB 13 *	2 030 000	1962
1963	---	782B ON APR 20	0.680B ON NOV 4	1 720 000	1963
1964	---	---	1.08 B ON JAN 2	---	1964
1965	1 060A AT 09:00 MST ON APR 29 *	1 040A ON APR 29 *	4.42 ON JAN 28	3 060 000	1965
1966	691 AT 16:00 MST ON AUG 30	640 ON AUG 30	3.82 B ON JAN 5	1 890 000	1966
1967	334 AT 23:00 MST ON APR 26	286 ON MAY 9	1.25 B ON DEC 22	1 050 000	1967
1968	357 AT 07:10 MST ON JUN 15	354 ON JUN 15	1.42 B ON JAN 8	950 000	1968
1969	---	222B ON APR 16	1.44 B ON FEB 12	825 000	1969
1970	---	210 ON APR 24	1.97 B ON NOV 27	971 000	1970
1971	971 AT 16:00 MST ON JUL 5	934 ON JUL 5	2.76 B ON FEB 10	2 360 000	1971
1972	---	504 ON APR 30	4.76 B ON MAR 2	1 930 000	1972
1973	419 AT 20:00 MST ON APR 29	399 ON APR 30	6.80 B ON FEB 7	1 730 000	1973
1974	929 AT 23:00 MST ON APR 24	892 ON APR 24	3.77 B ON NOV 13	2 110 000	1974
1975	411A AT 05:00 MST ON JUN 30	379A ON JUN 30	3.91 B ON MAR 19	896 000	1975
1976	748 AT 08:00 MST ON JUN 29	714 ON JUN 29	3.96 B ON MAR 17	2 330 000	1976
1977	617E AT 11:00 MST ON MAY 31	609E ON MAY 31	5.38 B ON NOV 22	2 410 000	1977
1978	923A AT 23:00 MST ON JUN 16	835A ON JUN 17	4.08 B ON FEB 21	1 770 000	1978
1979	825 AT 01:00 MST ON JUN 16	729 ON JUN 16	1.46 B ON DEC 1	2 280 000	1979
1980	563E AT 20:00 MST ON JUN 6	545A ON JUN 7	3.25 B ON MAR 4	1 570 000	1980
1981	248 AT 09:00 MST ON JUN 3	238 ON JUN 3	1.28 B ON DEC 31	944 000	1981
1982	705 AT 21:30 MST ON AUG 4	663 ON AUG 5	1.22 B ON JAN 15	1 760 000	1982
MEAN				1 660 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	13.3	---	---	---	1953
1954	---	---	6.90	78.2	303	383	56.1	59.9	52.1	28.7	---	---	---	1954
MEAN	---	---	6.90	78.2	303	383	56.1	59.9	52.1	21.0	---	---	---	MEAN

LOCATION - LAT 55 22 40 N   DRAINAGE AREA, 10 600 km²
LONG 116 55 40 W   NATURAL FLOW

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	---	1 000 ON JUN 8 *	---	---	1954
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.085	7.08	2.89	4.93	3.10	0.223	0.116	0.032	---	---	2.29	1965
1966	---	---	0.233	1.98	0.420	0.315	0.344	0.538	0.191	0.157	---	---	0.519	1966
1967	---	---	0	1.03	0.601	0.785	0.234	0.039	0	0	---	---	0.332	1967
1968	---	---	0.724	0.295	0.094	0.052	0.237	0.351	0.129	0.164	---	---	0.257	1968
1969	---	---	0	2.28	0.424	0.050	0.496	0.286	0.335	0.256	---	---	0.511	1969
1970	---	---	0.027	2.38	0.445	0.562	0.905	0.269	0.067	0.158	---	---	0.597	1970
1971	---	---	0.054	3.99	0.591	1.10	1.33	0.120	0.065	0.164	---	---	0.917	1971
1972	---	---	0.125	1.82	0.680	0.572	0.375	0.202	0.103	0.145	---	---	0.498	1972
1973	---	---	0.184	2.21	1.06	1.14	2.44	1.92	0.406	0.398	---	---	1.22	1973
1974	---	---	0.142	8.25	2.59	1.43	1.89	0.189	0.105	0.312	---	---	1.85	1974
1975	---	---	0.079	1.90	1.30	0.375	0.237	0.077	0.079	0.063	---	---	0.510	1975
1976	---	---	0.089	1.20	0.135	0.178	0.050	0.332	0.071	0.148	---	---	0.273	1976
1977	---	---	0.059	0.674	2.02	0.481	0.013	0.156	0.141	0.058	---	---	0.450	1977
1978	---	---	0.414	0.770	0.506	0.792	0.437	0.208	0.794	0.521	---	---	0.552	1978
1979	---	---	0.658	1.05	0.823	0.430	0.335	0.111	0.034	0.025	---	---	0.432	1979
1980	---	---	0.062	1.83	0.354	2.69	1.79	1.05	1.43	0.529	---	---	1.21	1980
1981	---	---	0.918	0.475	1.07	0.749	2.86	3.02	0.164	0.083	---	---	1.18	1981
1982	---	---	0.020	4.03	1.35	0.575	8.20	0.662	0.918	0.815	---	---	2.07	1982
MEAN	---	---	0.215	2.40	0.964	0.956	1.40	0.542	0.286	0.224	---	---	0.870	MEAN

LOCATION - LAT 52 44 20 N DRAINAGE AREA, 241 km²
LONG 114 08 50 W NATURAL FLOW

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	27.4 ON JUN 30	0.003 ON OCT 9	48 500	1965
1966	---	13.6 B ON APR 1	0.006B ON MAR 4	11 000	1966
1967	---	3.62 B ON APR 26	0 B ON MAR 1 *	7 030	1967
1968	---	0.847B ON MAR 7	0 ON JUN 16	5 440	1968
1969	---	10.4 ON APR 9	0 B ON MAR 1	10 800	1969
1970	---	6.23 B ON APR 12	0 B ON MAR 1	12 600	1970
1971	---	14.2 ON APR 22	0.001E ON SEP 7	19 400	1971
1972	---	7.48 B ON APR 8	0 ON AUG 29	10 500	1972
1973	17.4 AT 11:00 MST ON JUL 3	16.1 ON JUL 3	0.028B ON MAR 1	25 800	1973
1974	---	25.5 ON APR 23	0.020 ON SEP 4	39 100	1974
1975	---	9.23 B ON APR 21	0.020 ON SEP 21	10 800	1975
1976	---	5.24 B ON APR 10	0 ON JUL 12	5 770	1976
1977	---	6.68 ON MAY 31	0 ON JUN 21	9 530	1977
1978	---	5.10 ON JUN 2	0.019 ON AUG 15	11 700	1978
1979	---	4.54 ON APR 21	0 ON AUG 26	9 150	1979
1980	---	9.14 ON JUL 1	0.040 ON MAY 13	25 600	1980
1981	29.2 AT 21:30 MST ON JUL 31	26.7 ON JUL 31	0.062 ON OCT 7	24 900	1981
1982	37.4 AT 22:34 MST ON JUL 5 *	35.3 ON JUL 6 *	0 B ON MAR 1	43 900	1982
MEAN				18 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	9.32	7.35	5.73	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	3.00	2.38	1.75	---	1914
1915	1.76	0.617	0.761	4.08	1.91	10.1	9.43	4.81	3.24	2.75	4.25	0.930	3.73	1915
1916	0.325	0.121	0.149	3.66	5.58	2.42	16.1	3.98	5.32	4.36	3.35	1.75	3.95	1916
1917	1.26	0.852	1.05	8.33	25.6	25.4	8.75	4.70	3.45	3.15	2.38	0.982	7.18	1917
1918	0.863	0.781	0.918	3.04	3.95	5.80	4.26	2.47	2.16	2.21	1.62	1.11	2.44	1918
1919	0.893	0.243	0.076	5.74	5.11	3.24	0.953	0.458	0.959	1.05	0.674	0.253	1.64	1919
1920	0.247	0.003	0.043	1.04	37.0	19.6	7.17	4.22	3.79	4.15	2.02	1.55	6.78	1920
1921	1.59	1.59	1.18	2.79	12.0	8.12	4.66	4.49	3.31	2.38	1.83	0.749	3.73	1921
1922	0.317	0.063	0.034	1.52	5.52	3.19	1.77	0.700	0.467	0.384	0.215	0.027	1.19	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	0.806	0.474	0.526	3.78	12.1	9.73	6.64	3.91	3.34	2.92	2.08	1.01	3.83	MEAN

LOCATION - LAT 53 36 39 N DRAINAGE AREA, 1 650 km²
LONG 115 00 39 W NATURAL FLOW

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	20.5 ON JUN 9	0.227B ON MAR 5	118 000	1915
1916	---	32.0 ON JUL 8	0.028B ON FEB 9	125 000	1916
1917	---	56.9 ON MAY 18	0.425B ON DEC 24	226 000	1917
1918	---	10.6 ON MAY 30	0.396B ON MAR 5	76 900	1918
1919	---	8.01B ON APR 13	0.024B ON MAR 1	51 700	1919
1920	---	76.2 ON MAY 7 *	0 B ON JAN 28 *	214 000	1920
1921	---	24.7 ON MAY 14	0.283B ON DEC 19	118 000	1921
1922	---	8.33 ON MAY 11	0 B ON MAR 18	37 600	1922
1923	---	---	0 B ON JAN 4	---	1923
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		121 000	MEAN

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	2.06	1.08	2.93	8.84	7.40	8.76	3.87	2.18	1.69	0.476	0.005	---	1955
1956	0	0	0	8.40	10.3	8.57	4.19	4.75	3.46	2.34	1.77	2.41	3.86	1956
1957	2.55	0.951	1.08	4.25	3.91	1.53	0.639	1.36	1.66	3.48	3.91	4.94	2.53	1957
1958	3.62	3.60	2.00	8.21	6.07	2.53	3.27	1.86	1.38	1.77	1.07	0.975	3.02	1958
1959	0.406	0.011	0.077	1.44	2.06	0.900	0.861	0.593	0.805	1.22	0.958	1.35	0.895	1959
1960	0.711	0.086	1.92	2.69	5.09	4.19	5.81	2.00	1.64	1.62	1.08	1.77	2.40	1960
1961	2.04	1.91	2.03	1.87	1.61	0.471	0.667	0.271	0.163	0.209	0.202	0.017	0.949	1961
1962	0	0	0	7.63	14.9	7.96	3.08	3.33	2.80	2.91	2.65	1.79	3.94	1962
1963	0.021	1.65	2.21	13.6	15.0	6.36	2.69	1.53	1.31	1.33	1.61	0.806	4.07	1963
1964	1.18	1.17	2.03	2.11	4.44	1.86	2.14	2.22	3.45	4.38	3.65	1.64	2.53	1964
1965	1.07	2.13	1.69	9.23	22.4	27.8	36.2	21.5	13.8	7.64	4.99	4.12	12.8	1965
1966	2.47	2.34	3.06	11.8	10.6	3.12	6.06	9.78	8.19	4.84	1.31	2.48	5.52	1966
1967	1.81	1.87	2.27	11.4	5.58	4.11	1.55	0.711	0.381	0.402	0.363	0.145	2.54	1967
1968	0	0.008	0.244	0.943	2.91	1.34	0.625	1.01	1.19	1.15	0.964	0.565	0.914	1968
1969	0.162	0.052	0.027	6.72	7.37	2.19	1.06	2.88	5.27	6.30	4.95	4.75	3.49	1969
1970	3.06	2.99	2.37	5.72	4.73	1.55	1.10	0.674	0.484	0.484	0.495	0.271	1.98	1970
1971	0.152	0.104	0.100	9.30	9.24	9.13	30.5	17.4	10.2	6.88	5.66	3.15	8.56	1971
1972	2.66	2.19	2.34	7.93	10.7	15.1	15.5	7.79	4.32	3.63	2.98	2.83	6.47	1972
1973	1.53	1.64	1.55	4.96	8.06	5.98	4.05	4.02	3.00	2.80	2.27	2.44	3.53	1973
1974	1.10	1.29	1.66	22.9	30.7	16.1	18.0	8.36	5.41	3.81	2.71	2.45	9.59	1974
1975	1.94	1.40	1.17	3.81	6.38	5.31	7.00	3.64	3.21	2.16	1.80	2.17	3.35	1975
1976	1.86	1.41	2.52	6.28	2.70	1.73	1.43	1.42	1.80	1.73	1.47	1.95	2.19	1976
1977	1.81	2.10	1.17	4.60	14.5	14.7	9.39	7.40	8.96	9.52	5.70	3.50	6.97	1977
1978	1.98	1.75	2.95	4.60	5.50	6.10	6.71	3.81	7.23	5.85	4.48	3.85	4.58	1978
1979	2.62	1.69	4.17	6.02	10.0	9.63	13.1	7.15	4.74	4.05	2.85	2.57	5.75	1979
1980	1.92	1.68	1.44	7.54	6.62	22.6	16.6	13.4	10.4	8.39	6.64	4.77	8.50	1980
1981	1.69	1.28	2.21	4.31	5.28	11.7	6.85	3.95	1.76	1.82	1.47	1.74	3.68	1981
1982	0.851	0.841	1.03	9.55	9.68	4.71	19.2	8.85	7.23	5.77	3.03	1.73	6.06	1982
MEAN	1.47	1.36	1.59	6.81	8.76	7.31	7.96	5.20	4.16	3.51	2.55	2.17	4.47	MEAN

LOCATION - LAT 53 36 45 N DRAINAGE AREA, 1 570 km^2
LONG 115 06 20 W NATURAL FLOW

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	13.6 AT 16:40 MST ON MAY 2	13.5 ON MAY 2	0 B ON DEC 6 *	---	1955
1956	18.8 B AT 16:20 MST ON APR 16	18.7 B ON APR 16	0 B ON JAN 1	122 000	1956
1957	---	10.9 B ON NOV 23	0.057B ON MAR 8	79 800	1957
1958	---	14.4 B ON APR 14	0.311B ON NOV 5	95 400	1958
1959	---	4.28 ON MAY 11	0 B ON FEB 12	28 200	1959
1960	12.3 AT 09:30 MST ON JUL 4	12.1 ON JUL 4	0 B ON MAR 17	75 800	1960
1961	---	4.81 ON JUL 2	0 B ON DEC 10	29 900	1961
1962	---	19.4 ON MAY 6	0 B ON JAN 1	124 000	1962
1963	---	23.8 B ON APR 19	0.178B ON JAN 10	128 000	1963
1964	---	15.8 ON MAY 7	0.054B ON MAR 28	79 900	1964
1965	---	95.7 ON JUN 29 *	0.699B ON APR 6	403 000	1965
1966	---	17.6 B ON APR 4	0.875 ON NOV 4	174 000	1966
1967	---	18.7 B ON APR 17	0.028B ON DEC 18	80 100	1967
1968	6.54 AT 03:13 MST ON MAY 10	5.64 ON MAY 8	0 B ON JAN 1	28 900	1968
1969	---	14.8 ON SEP 6	0 B ON FEB 20	110 000	1969
1970	8.81 AT 07:25 MST ON MAY 18	7.14 ON MAY 18	0.212B ON DEC 24	62 600	1970
1971	58.6 AT 09:00 MST ON JUL 12	57.5 ON JUL 12	0.057B ON JAN 29	270 000	1971
1972	30.9 AT 09:00 MST ON JUN 25	29.7 ON JUN 25	1.70 B ON DEC 31	205 000	1972
1973	10.1 AT 23:30 MST ON MAY 9	9.63 ON MAY 9	1.13 B ON NOV 2	111 000	1973
1974	87.5 B AT 23:30 MST ON APR 18 *	72.8 ON APR 19	0.889B ON JAN 20	302 000	1974
1975	30.0 AT 21:00 MST ON JUN 28	23.1 ON JUN 29	0.142B ON APR 1	106 000	1975
1976	20.2 B AT 18:00 MST ON APR 7	19.2 B ON APR 7	0.564B ON MAR 5	69 300	1976
1977	61.2 AT 09:15 MST ON MAY 29	57.2 ON MAY 29	0.714B ON MAR 20	220 000	1977
1978	42.5 AT 19:50 MST ON JUL 11	25.7 ON JUL 11	0.801B ON JAN 6	144 000	1978
1979	25.5 AT 15:50 MST ON JUL 2	21.0 ON JUL 3	1.55 B ON FEB 12	181 000	1979
1980	39.9 AT 11:00 MST ON JUN 5	38.7 ON JUN 5	0.800B ON MAR 3	269 000	1980
1981	22.4 AT 13:55 MST ON JUN 2	21.9 ON JUN 2	0.770B ON FEB 10	116 000	1981
1982	58.8 AT 03:00 MST ON JUL 5	51.3 ON JUL 5	0.421B ON JAN 12	191 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		141 000	MEAN

LODGE CREEK AT HARTY'S RANCH - STATION NO. 11AB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.256	0.363	0.171	0	0.218	0.059	---	---	---	1911
1912	---	---	---	---	0.691	0.066	0	0	0	0	---	---	---	1912
1913	---	---	---	2.07	0.341	0.025	0.007	0	0	0	---	---	0.400	1913
1914	---	---	---	1.14	0.081	0.024	0	0	0	0.035	---	---	0.180	1914
1915	---	---	---	1.15	0.078	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.59	0.289	0.120	0.045	0	0.055	0.024	---	---	0.290	MEAN

LOCATION - LAT 49 27 30 N DRAINAGE AREA, 183 km²
LONG 110 20 00 W REGULATED

LODGE CREEK AT HARTY'S RANCH - STATION NO. 11AB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 7 *	---	1911
1912	---	---	0 ON JUL 5	---	1912
1913	---	6.68 ON APR 12 *	0 ON JUN 18	7 390	1913
1914	---	3.96 ON APR 5	0 ON MAY 27	3 330	1914
1915	---	---	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 360	MEAN

LODGE CREEK AT NESTER'S RANCH - STATION NO. 11AB023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	0	0	---	---	---	1912
1913	---	---	---	---	0.403	0.033	0.062	0	0	0	---	---	---	1913
1914	---	---	---	1.75	0.124	0.032	0.001	0	0	0.108	---	---	---	1914
MEAN	---	---	---	1.75	0.264	0.033	0.032	0	0	0.036	---	---	---	MEAN

LOCATION - LAT 49 14 30 N DRAINAGE AREA, 586 km²
LONG 110 01 00 W REGULATED

LODGE CREEK AT NESTER'S RANCH - STATION NO. 11AB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	0 ON JUL 20 *	---	1913
1914	---	---	0 ON MAR 23	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LODGE CREEK AT HIGHWAY NO. #1 - STATION NO. 11AB902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.911	1.40	0.064	0.007	0.004	0.013	---	---	0.396	1982
MEAN	---	---	---	---	0.911	1.40	0.064	0.007	0.004	0.013	---	---	0.396	MEAN

LOCATION - LAT 49 25 10 N
LONG 110 15 30 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LODGE CREEK AT HIGHWAY NO. #1 - STATION NO. 11AB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	10.1 ON JUN 1 *	0 ON AUG 23 *	6 290	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 290	MEAN

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.112	0.473	0.879	0.933	0.543	0.568	---	---	0.585	1959
1960	---	---	---	---	0.060	1.11	2.48	0.767	0.631	0.844	---	---	0.984	1960
1961	---	---	---	0.048	0.634	3.48	2.67	0.871	1.35	1.40	---	---	1.73	1961
1962	---	---	---	---	0.801	2.44	3.75	0.975	0.819	1.64	---	---	1.74	1962
1963	---	---	---	---	1.69	3.41	1.16	1.14	0.659	1.35	---	---	1.56	1963
1964	---	---	---	---	0.403	3.27	4.26	2.26	1.06	1.95	---	---	2.20	1964
1965	---	---	---	---	0.072	1.36	0.970	1.47	0.359	0.635	---	---	0.812	1965
1966	---	---	---	---	0.222	1.24	1.19	1.08	0.646	0.964	---	---	0.888	1966
1967	---	---	---	---	0	0.723	3.10	2.09	1.24	2.16	---	---	1.56	1967
1968	---	---	---	---	1.18	2.05	2.92	1.42	0.859	0.747	---	---	1.53	1968
1969	---	---	---	---	0.791	3.14	0.976	1.51	1.12	1.72	---	---	1.54	1969
1970	---	---	---	---	0.715	2.46	1.23	1.79	0.749	1.14	---	---	1.34	1970
1971	---	---	---	---	0.462	2.79	3.11	2.19	1.42	1.27	---	---	1.87	1971
1972	---	---	---	---	0.466	3.53	2.90	2.06	0.680	0.878	---	---	1.75	1972
1973	---	---	---	---	1.50	2.69	3.95	2.50	1.48	1.87	---	---	2.33	1973
1974	---	---	---	---	0.118	3.92	5.09	3.53	1.89	1.81	---	---	2.73	1974
1975	---	---	---	---	0	0.751	4.14	3.17	1.51	1.27	---	---	1.81	1975
1976	---	---	---	---	1.97	6.11	5.10	2.30	1.89	2.44	---	---	3.29	1976
1977	---	---	---	---	2.14	7.50	7.24	2.65	1.05	0.929	---	---	3.58	1977
1978	---	---	---	---	0.021	3.66	8.21	3.46	1.04	1.95	---	---	3.06	1978
1979	---	---	---	---	0.466	6.18	9.09	3.44	2.78	2.48	---	---	4.07	1979
1980	---	---	---	---	3.22	5.90	10.5	4.80	2.73	2.10	---	---	4.88	1980
1981	---	---	---	---	1.56	6.71	9.57	4.31	4.90	3.27	---	---	5.04	1981
1982	---	---	---	0	0.765	6.61	9.58	5.58	3.26	1.19	---	---	4.49	1982
MEAN	---	---	---	0.024	0.807	3.40	4.34	2.35	1.44	1.52	---	---	2.31	MEAN

LOCATION - LAT 50 12 50 N
LONG 112 39 40 W REGULATED

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	1.23 ON AUG 7	0 ON MAY 1 *	9 310	1959
1960	---	3.65 ON JUL 18	0 ON MAY 1	15 700	1960
1961	---	5.61 ON JUN 24	0 ON OCT 21	27 400	1961
1962	---	4.84 ON JUL 8	0 ON MAY 1	27 700	1962
1963	---	4.98 ON JUN 21	0 ON OCT 23	24 900	1963
1964	---	5.15 ON JUL 26	0 ON MAY 1	35 000	1964
1965	---	3.77 ON AUG 1	0 ON MAY 1	12 900	1965
1966	---	2.89 ON JUN 23	0 ON MAY 1	14 100	1966
1967	---	4.56 ON JUL 22	0 ON MAY 1	24 800	1967
1968	---	3.91 ON JUL 14	0 ON MAY 1	24 300	1968
1969	---	4.36 ON JUN 6	0 ON MAY 1	24 400	1969
1970	---	5.21 ON JUN 11	0 ON MAY 1	21 400	1970
1971	---	4.59 ON JUL 24	0 ON MAY 1	29 800	1971
1972	---	4.96 ON JUN 9	0 ON MAY 1	27 800	1972
1973	---	5.52 ON JUL 18	0 ON MAY 1	37 100	1973
1974	---	6.60 ON JUL 27	0 ON MAY 1	43 300	1974
1975	---	5.86 ON JUL 17	0 ON MAY 1	28 800	1975
1976	---	7.02 ON JUN 14	0 ON MAY 1	52 400	1976
1977	---	8.89 ON JUN 20	0 ON OCT 26	56 800	1977
1978	---	8.50 ON JUN 30	0 ON MAY 1	48 700	1978
1979	---	9.77 ON JUL 13	0 ON MAY 1	64 700	1979
1980	---	11.6 ON JUN 24	0 ON MAY 1	77 600	1980
1981	---	12.0 ON JUL 8 *	0E ON OCT 22	80 100	1981
1982	---	11.8 ON JUL 14	0 ON MAY 1	71 400	1982
				36 700	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.001	3.16	3.53	0.251	0.029	0.003	0	0.004	0.009	---	---	1967
1968	---	---	0.116	0.026	0.023	0.020	0.015	0.009	0.005	0.019	---	---	---	1968
1969	---	---	0.004	6.88	0.098	0.048	0.040	0.013	0.022	0.023	---	---	---	1969
MEAN	---	---	0.040	3.36	1.22	0.106	0.028	0.008	0.009	0.015	0.009	---	---	MEAN

LOCATION - LAT 51 34 30 N DRAINAGE AREA, 895 km^2
LONG 113 31 20 W NATURAL FLOW

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	14.3 ON MAY 1	0B ON MAR 1 *	---	1967
1968	---	0.476B ON MAR 7	0 ON AUG 29	---	1968
1969	34.3B AT 23:40 MST ON APR 3 *	29.4 B ON APR 3 *	0B ON FEB 28	---	1969
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.088	0.294	0.341	0.133	0.016	---	1976
1977	0	0	0	0.631	0.372	0.293	0.362	0.096	0.102	0.146	0.054	0.006	0.172	1977
MEAN	0	0	0	0.631	0.372	0.293	0.362	0.092	0.198	0.244	0.094	0.011	0.172	MEAN

LOCATION - LAT 57 17 20 N DRAINAGE AREA, 428 km²
LONG 110 27 50 W NATURAL FLOW

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0B ON DEC 31 *	---	1976
1977	1.85B AT 12:45 MST ON APR 18 *	1.64B ON APR 18 *	0B ON JAN 1	5 420	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 420	MEAN

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	2.33	1.06	0.295	0.231	0.121	---	1913
1914	0.090	0.041	0.012	0.007	0.288	1.12	2.51	2.08	0.838	0.295	0.184	0.120	0.638	1914
1915	0.161	0.055	0.044	0.101	0.327	0.810	1.91	2.91	1.09	0.184	0.103	0.018	0.650	1915
1916	0.022	0.010	0.014	0.016	0.123	1.06	2.09	2.10	1.27	0.273	0.193	0.054	0.605	1916
1917	0.009	0.026	0.018	0.008	0.269	1.05	2.32	2.37	1.32	0.856	0.323	0.213	0.738	1917
1918	0.194	0.195	0.181	0.051	0.227	1.57	2.39	2.14	0.990	---	---	---	---	1918
MEAN	0.095	0.065	0.054	0.037	0.247	1.12	2.24	2.32	1.09	0.381	0.207	0.105	0.658	MEAN

LOCATION - LAT 51 24 56 N DRAINAGE AREA, 25.1 km²
LONG 116 12 35 W NATURAL FLOW

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	3.57 ON JUL 13	0 ON OCT 23 *	20 100	1914
1915	---	3.20 ON AUG 16	0.008 ON DEC 23	20 500	1915
1916	---	2.78 ON AUG 13	0.008B ON FEB 29	19 100	1916
1917	---	5.52 ON JUL 20 *	0.004B ON JAN 18	23 300	1917
1918	---	3.11 ON JUL 21	---	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 800	MEAN

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	0.215	1.25	0.953	1.12	0.525	0.408	0.226	---	---	0.748	1975
1976	---	---	---	0.586	0.743	1.52	1.05	0.771	0.725	0.446	---	---	0.873	1976
1977	---	---	0.096	0.340	3.10	2.88	2.11	1.98	1.96	0.656	---	---	2.11	1977
1978	---	---	---	---	2.60 R	2.66 R	2.82 R	1.20 R	1.97 R	0.815R	---	---	2.01 R	1978
1979	---	---	---	---	1.79	1.32	0.731	0.494	0.528	0.326	---	---	0.864	1979
1980	---	---	---	---	1.93	10.5	2.95	1.48	1.73	0.902	---	---	3.22	1980
1981	---	---	---	---	1.09	1.38	2.25	1.58	0.695	0.461	---	---	1.25	1981
1982	---	---	---	---	1.45	1.18	6.01	1.34	0.963	1.28	---	---	2.05	1982
MEAN	---	---	0.096	0.380	1.74 R	2.80 R	2.38 R	1.17 R	1.12 R	0.639R	---	---	1.64	MEAN

LOCATION - LAT 52 59 50 N DRAINAGE AREA, 101 km²
LONG 116 39 20 W NATURAL FLOW

R - REVISED SINCE JAN 1980

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	3.34B AT 01:00 MST ON MAY 10	2.76 ON JUN 29	0.164B ON OCT 24	11 900	1975
1976	---	2.94 ON JUN 24	0.303B ON OCT 24	13 900	1976
1977	9.15 AT 01:00 MST ON JUN 1	8.13 ON JUN 1	0.136 ON MAY 1 *	33 600	1977
1978	14.0 R AT 22:15 MST ON MAY 15	10.4 R ON JUL 12	0.550RE ON OCT 31	31 900R	1978
1979	---	2.60E ON MAY 24	---	13 700	1979
1980	73.0 AT 18:00 MST ON JUN 4 *	61.4 E ON JUN 4 *	0.650E ON OCT 29	51 100	1980
1981	9.83 AT 09:00 MST ON JUL 30	9.01 ON JUL 30	0.283 ON MAY 4	19 800	1981
1982	29.0 AT 13:45 MST ON JUL 5	26.6 ON JUL 5	0.666 ON SEP 24	32 600	1982
				26 100R	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED   R - REVISED SINCE JAN 1980

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07OB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.170	---	---	---	1977
1978	---	---	0	0.547	2.76	0.805	0.225	0.657	0.688	0.451	---	---	0.767	1978
1979	---	---	0	0.065	5.17	4.12	0.356	0.034	0.159	0.168	---	---	1.26	1979
1980	---	---	0.001	0.296	0.085	0.006	0.001	0.001	0	0.010	---	---	0.049	1980
1981	---	---	0	0.113	0.741	0.105	0.048	0.003	0	0.009	---	---	0.128	1981
1982	---	---	0	0.047	1.63	0.180	0.011	0.005	0.015	0	---	---	0.238	1982
MEAN	---	---	0	0.214	2.08	1.04	0.128	0.140	0.172	0.135	---	---	0.488	MEAN

LOCATION - LAT 59 24 20 N   DRAINAGE AREA, 292 km^2
LONG 117 16 42 W   NATURAL FLOW

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07OB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	7.33 AT 23:00 MST ON MAY 4	6.65 B ON APR 30	0B ON MAR 1 *	16 200	1978
1979	19.5 AT 05:00 MST ON MAY 29 *	18.5 ON MAY 29 *	0B ON MAR 1	36 600	1979
1980	---	0.855B ON APR 17	0B ON MAR 1	1 040	1980
1981	3.68B AT 12:00 MST ON MAY 2	2.58 B ON MAY 5	0B ON MAR 1	2 710	1981
1982	3.46 AT 12:00 MST ON MAY 10	3.27 ON MAY 12	0B ON MAR 1	5 030	1982
				10 300	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	4.95	0.512	0.076	0	0	0	0	---	---	---	1912
1913	---	---	---	0.914	0.242	0.007	0.006	0	0	0	---	---	---	1913
1914	---	---	---	0.554	0.084	0.012	0	0	0	0.183	---	---	---	1914
MEAN	---	---	---	2.14	0.279	0.032	0.002	0	0	0.061	---	---	---	MEAN

LOCATION - LAT 49 52 10 N   DRAINAGE AREA, 247 km^2
LONG 110 01 10 W   NATURAL FLOW

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	32.3 E ON APR 3 *	0 ON JUN 27 *	---	1912
1913	---	2.78 ON APR 6	0 ON JUN 12	---	1913
1914	---	2.46 ON OCT 8	0 ON JUL 9	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MACKAY CREEK AT WALSH - STATION NO. 05AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.233	0.049	0.222	0	0.862	0.125	---	---	---	1911
1912	---	---	---	2.50	0.646	0.154	0.001	0	0	0	---	---	---	1912
1913	---	---	---	1.22	0.265	0.001	0	0	0	0	---	---	---	1913
1914	---	---	---	0.582	0.085	0	0	0	0.009	0.308	---	---	---	1914
1915	---	---	---	0.750	0.402	2.47	0.412	0.144	0.003	0.043	---	---	---	1915
1916	---	---	1.38	0.259	2.35	5.41	0.655	0.372	0.060	0.152	---	---	1.32	1916
1917	---	---	---	---	3.67	0.200	0.042	0	0	0	---	---	---	1917
1918	---	---	---	0.983	0.155	0.023	---	---	---	---	---	---	---	1918
1919	---	---	0.024	0.417	0.031	0	0	0	0	0	---	---	0.058	1919
1936	---	---	1.23	---	0.034	0	---	---	---	---	---	---	---	1936
1956	---	---	1.64	0.456	0.260	0.008	0.003	0	0	0	---	---	0.297	1956
1957	---	0.807	1.21	2.03	0.454	0.069	0	0	0	0	---	---	0.467	1957
1958	---	---	0.731	0.738	0.015	0	0	0	0	0	---	---	0.185	1958
1959	---	---	1.33	0.714	0.115	0.108	0.008	0	0	0	---	---	0.284	1959
1960	---	---	1.85	0.312	0.898	0.039	0	0	0	0	---	---	0.391	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.485	0	0	0.161	0.001	0	0	0	---	---	0.081	1962
1963	---	1.32	0.166	0.042	0	0	0	0	0	0	---	---	0.026	1963
1964	---	---	0	0.111	1.77	0.008	0	0	0	0	---	---	0.239	1964
1965	---	---	0.007	3.57	0.293	1.08	0.357	0	0.001	0	---	---	0.652	1965
1966	---	---	1.86	0.801	0.436	0.315	0.024	0.011	0	0	---	---	0.431	1966
1967	---	---	2.19	1.69	7.18	0.342	0.009	0	0	0	---	---	1.44	1967
1968	---	---	0.173	0.114	0.128	0.037	0.004	0	0	0	---	---	0.057	1968
1969	---	---	1.94	0.820	0.053	0	0	0	0	0	---	---	0.352	1969
1970	---	---	0.255	1.93	0.591	0.460	0.044	0	0	0	---	---	0.405	1970
1971	---	2.12	0.211	1.53	0.135	0.371	0.027	0	0	0	---	---	0.280	1971
1972	---	---	1.28	0.036	0.017	0.002	0	0	0	0	---	---	0.168	1972
1973	---	0.001	0.022	0.248	0.094	0.332	0.001	0	0	0	---	---	0.086	1973
1974	---	---	0.734	0.358	0.704	0.034	0	0	0	0	---	---	0.230	1974
1975	---	---	0	1.87	4.98	2.19	0.048	0	0	0	---	---	1.13	1975
1976	---	---	0.807	0.455	0.044	0.267	0.053	0	0	0	---	---	0.203	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.03	0.672	0.312	0.076	0	0	0.018	0	---	---	0.264	1978
1979	---	---	4.09	1.19	0.803	0.079	0.041	0	0	0	---	---	0.780	1979
1980	---	---	0.046	0.010	0	0	0	0	0	0	---	---	0.007	1980
1981	---	0.030	0	0	0	0.301	0	0	0	0	---	---	0.037	1981
1982	---	0.382	0.968	1.95	0.580	3.57	0.014	0.001	0	0	---	---	0.873	1982
MEAN	---	0.777	0.855	0.834	0.750	0.491	0.056	0.015	0.027	0.018	---	---	0.370	MEAN

LOCATION - LAT 49 56 30 N DRAINAGE AREA, 436 km²
LONG 110 02 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1957, 1963 AND 1971

MACKAY CREEK AT WALSH - STATION NO. 05AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	11.0 ON SEP 7	0 ON JUN 14 *	---	1911
1912	---	12.1 ON MAR 29	0 ON JUN 29	---	1912
1913	---	2.78 ON APR 12	0 ON JUN 7	---	1913
1914	---	3.57 ON OCT 9	0 B ON MAR 28	---	1914
1915	---	28.6 ON JUN 4	0 ON MAY 10	---	1915
1916	52.1 AT 02:00 MST ON JUN 12	41.1 ON JUN 11	0.019 ON APR 1	28 000	1916
1917	---	---	0 ON JUL 22	---	1917
1918	---	---	0 ON JUN 15	---	1918
1919	2.80 AT 18:00 MST ON APR 19	2.38 ON APR 20	0 ON MAR 1	1 230	1919
1936	---	6.85 ON MAR 7	0 ON MAR 1	---	1936
1956	19.7 B ON MAR 20	15.6 B ON MAR 20	0 B ON MAR 1	6 280	1956
1957	---	4.70 ON APR 18	0 ON JUN 6	9 900	1957
1958	---	5.83 B ON MAR 29	0 ON MAY 22	3 910	1958
1959	5.32B AT 15:00 MST ON MAR 18	5.15 B ON MAR 18	0 ON JUN 9	6 020	1959
1960	---	12.5 B ON MAR 19	0 B ON MAR 1	8 280	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	6.17 AT 02:00 MST ON JUN 15	3.48 B ON MAR 21	0 B ON MAR 1	1 720	1962
1963	---	1.33 ON MAR 23	0 ON MAR 15	553	1963
1964	28.3 AT 04:00 MST ON MAY 8	20.8 ON MAY 8	0 ON MAR 1	5 060	1964
1965	18.2 AT 16:00 MST ON JUN 27	15.1 ON JUN 27	0 B ON MAR 14	13 800	1965
1966	---	5.10 B ON MAR 12	0 ON JUL 9	9 140	1966
1967	40.8 AT 12:00 MST ON MAY 8	33.4 ON MAY 8	0 B ON MAR 10	30 400	1967
1968	1.37B AT 08:21 MST ON MAR 2	0.748 ON MAR 7	0 ON JUL 12	1 210	1968
1969	---	18.5 B ON MAR 18	0 B ON MAR 1	7 440	1969
1970	15.4 AT 19:24 MST ON APR 7	9.77 ON APR 7	0 B ON MAR 1	8 570	1970
1971	---	4.45 ON APR 8	0 B ON MAR 9	5 930	1971
1972	8.52 AT 20:00 MST ON MAR 14	7.50 ON MAR 14	0 B ON MAR 1	3 560	1972
1973	5.32 AT 17:00 MST ON JUN 16	2.94 ON JUN 16	0 B ON MAR 13	1 820	1973
1974	10.0 B AT 08:20 MST ON MAR 29	7.84 B ON MAR 29	0 B ON MAR 1	4 880	1974
1975	57.8 AT 08:00 MST ON MAY 7 *	43.6 ON MAY 7 *	0 B ON MAR 1	24 000	1975
1976	9.91B AT 10:30 MST ON MAR 18	8.30 B ON MAR 18	0 B ON MAR 7	4 290	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	4.39 B ON MAR 9	0 ON JUN 18	5 590	1978
1979	---	14.0 B ON MAR 7	0 ON JUN 21	16 500	1979
1980	---	0.280B ON MAR 16	0 B ON MAR 6	149	1980
1981	4.39 AT 18:15 MST ON JUN 15	3.97 ON JUN 15	0 ON MAR 1	780	1981
1982	25.5 AT 16:00 MST ON JUN 4	20.1 ON JUN 4	0 ON AUG 17	18 500	1982
MEAN				7 850	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.037	0.001	0	0	0	---	---	---	1976
1977	---	---	0.011	0.079	0.004	0	0	0	0	0	---	---	0.011	1977
1978	---	---	0.162	0.223	0.047	0.011	0	0	0.016	0.010	---	---	0.058	1978
1979	---	---	0.501	0.403	0.213	0.009	0	0	0	0.052	---	---	0.147	1979
1980	---	---	0.014	0.078	0.001	0	0	0	0	0.062	---	---	0.019	1980
1981	---	0.037	0.026	0.021	0.048	0.100	0.001	0	0	0.052	---	---	0.031	1981
1982	---	0.043	0.118	0.665	0.204	0.859	0.032	0	0	0.006	---	---	0.232	1982
MEAN	---	0.040	0.139	0.245	0.086	0.145	0.005	0	0.002	0.026	---	---	0.083	MEAN

LOCATION - LAT 49 44 28 N DRAINAGE AREA, 75.1 km²
LONG 110 02 33 W NATURAL FLOW

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0E ON JUN 1 *	---	1976
1977	0.705 AT 20:30 MST ON APR 6	0.476 ON APR 6	0 ON APR 28	243	1977
1978	---	0.578 ON MAR 28	0B ON MAR 1	1 230	1978
1979	---	1.14 ON APR 9	0B ON MAR 1	3 120	1979
1980	0.691 AT 10:40 MST ON OCT 23	0.513 ON OCT 24	0B ON MAR 1	407	1980
1981	1.65 AT 15:00 MST ON JUN 14	1.26 ON JUN 14	0 ON MAY 14	655	1981
1982	12.8 AT 17:49 MST ON APR 12 *	6.57 ON JUN 3 *	0B ON MAR 4	4 920	1982
MEAN				1 760	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	3.45	5.30	0.758	0.627	0.121	0	0.164	0.022	---	---	1.30	1951
1952	---	3.50	8.14	7.82	0.544	0.027	0	0	0	0	---	---	2.06	1952
1953	---	---	1.94	1.79	2.18	7.47	0.126	0	0	0	---	---	1.67	1953
1954	---	0.019	0	1.67	0.578	0.699	0.048	0	0.058	0.078	---	---	0.386	1954
1955	---	---	2.99	12.5	4.04	0.266	6.04	0.041	0	0	---	---	3.22	1955
MEAN	---	1.76	3.30	5.82	1.62	1.82	1.27	0.008	0.044	0.020	---	---	1.73	MEAN

LOCATION - LAT 49 58 00 N DRAINAGE AREA, 665 km²
LONG 110 03 00 W REGULATED

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	27.8 ON MAR 30	0B ON MAR 1 *	27 400	1951
1952	---	62.9 B ON MAR 28	0B ON MAR 9	43 600	1952
1953	---	66.3 ON JUN 4	0B ON MAR 1	35 400	1953
1954	---	9.03 ON JUN 12	0B ON MAR 1	8 170	1954
1955	---	70.2 ON APR 10 *	0B ON MAR 1	68 200	1955
MEAN				36 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.681	2.92	2.07	0.965	---	1972
1973	0.658	0.104	0.155	24.7	39.4	157	39.3	26.3	8.39	19.2	7.29	1.97	27.0	1973
1974	1.17	0.904	0.647	98.5	87.2	22.8	35.8	14.0	5.03	3.77	1.82	1.19	22.8	1974
1975	0.618	0.451	0.469	10.7	36.2	31.3	71.2	39.2	55.7	26.2	5.12	1.93	23.4	1975
1976	0.764	0.592	0.469	66.0	15.1	9.25	13.4	19.4	31.5	17.2	2.63	0.456	14.7	1976
1977	0.418	0.382	0.305	10.5	12.5	14.1	14.6	5.21	2.99	7.08	1.78	0.393	5.88	1977
1978	0.425	0.325	0.362	18.8	39.5	17.2	6.14	4.42	78.2	43.0	7.51	1.92	18.2	1978
1979	1.00	0.520	0.571	2.84	86.6	29.4	4.77	1.75	6.80	5.90	2.92	0.855	12.1	1979
1980	0.558	0.270	0.404	9.54	3.52	4.35	1.10	32.3	22.9	17.4	5.75	0.481	8.23	1980
1981	0.632	0.469	0.778	6.71	27.9	6.97	5.10	1.33	0.137	0.610	0.676	0.396	4.35	1981
1982	0.273	0.225	0.241	9.85	44.2	7.99	1.20	1.81	0.735	1.03	0.970	0.544	5.81	1982
MEAN	0.652	0.424	0.440	25.8	39.2	30.0	19.3	14.6	19.4	13.1	3.50	1.01	14.2	MEAN

LOCATION - LAT 57 12 38 N DRAINAGE AREA, 5 550 km²
LONG 111 41 36 W NATURAL FLOW

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	306 AT 18:00 MST ON JUN 18 *	303 ON JUN 18 *	0.023B ON MAR 2 *	851 000	1973
1974	283 AT 05:00 MST ON APR 20	265 ON APR 20	0.402B ON MAR 27	720 000	1974
1975	130 AT 01:00 MST ON JUL 20	127 ON JUL 19	0.442B ON FEB 18	739 000	1975
1976	---	209 B ON APR 12	0.368B ON DEC 25	464 000	1976
1977	22.9 AT 10:24 MST ON JUL 9	22.7 ON JUL 8	0.198B ON APR 3	186 000	1977
1978	119 AT 19:50 MST ON SEP 9	118 ON SEP 10	0.297B ON FEB 6	573 000	1978
1979	---	142 B ON MAY 2	0.400B ON FEB 19	382 000	1979
1980	56.5 AT 14:00 MST ON AUG 13	54.3 ON AUG 12	0.250B ON FEB 8	260 000	1980
1981	---	45.0B ON APR 30	0.094 ON SEP 20	137 000	1981
1982	70.7 AT 02:00 MST ON APR 29	61.1 ON APR 30	0.220B ON FEB 16	183 000	1982
				450 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.377	0.515	0.519	0.514	0.490	0.142	---	---	0.425	1918
1919	---	---	---	---	0.184	0.518	0.550	0.383	0.295	0.056	---	---	0.330	1919
1920	---	---	---	---	0	0.274	0.591	0.549	0.402	0.319	---	---	0.356	1920
1921	---	---	---	---	0.280	0.563	0.637	0.505	0.429	0.331	---	---	0.457	1921
1922	---	---	---	---	0.137	0.539	0.208	0.407	0.279	0.107	---	---	0.278	1922
1923	---	---	---	---	0.315	0.260	0.166	0.312	0.276	0.198	---	---	0.254	1923
1924	---	---	---	---	0.326	0.193	0.426	0.225	0.312	0.169	---	---	0.275	1924
1925	---	---	---	---	0.165	0.445	0.427	0.313	0.188	0.020	---	---	0.259	1925
1926	---	---	---	---	0.280	0.387	0.327	0.262	0.100	0.007	---	---	0.227	1926
1927	---	---	---	---	0.003	0.022	0.160	0.169	0.056	0.005	---	---	0.070	1927
1928	---	---	---	---	0.275	0.196	0.002	0.219	0.272	0.039	---	---	0.166	1928
1929	---	---	---	---	0.042	0.126	0.367	0.414	0.293	0.050	---	---	0.215	1929
1930	---	---	---	---	0.024	0.448	0.329	0.381	0.169	0.020	---	---	0.228	1930
1932	---	---	---	---	0.156	0.135	0.430	0.327	0.225	0.129	---	---	0.234	1932
1933	---	---	---	---	0.016	0.642	0.731	0.588	0.313	0.214	---	---	0.417	1933
1934	---	---	---	---	0.399	0.270	0.593	0.579	0.321	0.066	---	---	0.372	1934
1935	---	---	---	---	0	0.603	0.854	0.564	0.357	0.129	---	---	0.417	1935
1936	---	---	---	---	0.095	0.570	0.636	0.387	0.266	0.018	---	---	0.328	1936
1937	---	---	---	---	0.271	0.199	0.696	0.399	0.341	0.029	---	---	0.323	1937
1938	---	---	---	---	0	0.363	0.492	0.495	0.391	0.043	---	---	0.297	1938
1939	---	---	---	---	0.484	0.221	0.626	0.593	0.385	0.070	---	---	0.397	1939
1940	---	---	---	---	0.054	0.533	0.562	0.297	0.236	0.095	---	---	0.295	1940
1941	---	---	---	---	0.248	0.277	0.461	0.383	0.249	0.105	---	---	0.288	1941
1942	---	---	---	---	0.017	0.053	0.220	0.180	0.103	0.104	---	---	0.113	1942
1943	---	---	---	---	0.083	0.378	0.777	0.811	0.442	0.258	---	---	0.459	1943
1944	---	---	---	0.030	0.394	0.211	0.548	0.480	0.334	0.193	---	---	0.361	1944
1945	---	---	---	---	0.093	0.168	0.380	0.416	0.415	0.109	---	---	0.263	1945
1946	---	---	---	---	0.501	0.115	0.620	0.510	0.370	0.032	---	---	0.359	1946
1947	---	---	---	---	0.082	0.188	0.660	0.482	0.096	0.068	0.001	---	0.264	1947
1948	---	---	---	---	0	0	0.259	0.428	0.366	0.169	---	---	0.204	1948
1949	---	---	---	0.016	0.199	0.174	0.566	0.536	0.456	0.172	---	---	0.351	1949
1950	---	---	---	---	0.057	0.483	0.419	0.695	0.455	0.284	---	---	0.398	1950
1951	---	---	---	---	0	0.040	0.139	0.495	0	0.116	---	---	0.133	1951
MEAN	---	---	---	0.023	0.168	0.306	0.466	0.433	0.293	0.117	0.001	---	0.297	MEAN

LOCATION - LAT 49 22 27 N
LONG 112 53 52 W   REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	0.617 ON AUG 29	0 ON JUL 1 *	6 770	1918
1919	---	0.651 ON JUL 8	0 ON MAY 1	5 230	1919
1920	---	0.793A ON JUL 5	0 ON MAY 1	5 650	1920
1921	---	0.793 ON JUN 30	0 ON MAY 1	7 270	1921
1922	---	0.623 ON JUN 24	0 ON MAY 1	4 430	1922
1923	---	0.484 ON MAY 24	0 ON MAY 1	4 040	1923
1924	---	0.538 ON JUL 16	0 ON MAY 1	4 380	1924
1925	---	0.498 ON JUN 28	0 ON MAY 1	4 110	1925
1926	---	0.600 ON JUN 4	0 ON MAY 1	3 600	1926
1927	---	0.408 ON JUL 13	0 ON MAY 1	1 110	1927
1928	---	0.858A ON MAY 28	0 ON MAY 1	2 640	1928
1929	---	0.549 ON JUL 25	0 ON MAY 1	3 430	1929
1930	---	0.736 ON JUN 19	0 ON MAY 1	3 620	1930
1932	---	0.648 ON JUL 30	0 E ON MAY 22	3 720	1932
1933	---	0.960 ON JUL 21	0 ON MAY 1	6 630	1933
1934	---	0.844 ON JUL 22	0 ON MAY 1	5 920	1934
1935	---	1.06 ON JUL 17	0 ON MAY 1	6 630	1935
1936	---	0.949E ON JUL 2	0 ON MAY 1	5 210	1936
1937	---	0.943A ON JUL 1	0 ON MAY 1	5 130	1937
1938	---	0.824A ON JUL 18	0 ON MAY 1	4 720	1938
1939	---	1.01 ON JUL 15	0 ON OCT 2	6 330	1939
1940	---	0.742 ON JUN 1	0 ON MAY 1	4 700	1940
1941	---	0.643 ON JUL 11	0 ON MAY 1	4 580	1941
1942	---	0.481 ON AUG 18	0 ON AUG 31	1 800	1942
1943	---	1.10 ON JUL 10 *	0 ON MAY 1	7 290	1943
1944	---	0.994 ON AUG 9	0 ON OCT 24	5 740	1944
1945	---	0.731 ON JUL 11	0 ON MAY 1	4 190	1945
1946	---	0.861 ON MAY 19	0 ON JUN 2	5 700	1946
1947	---	1.06 ON JUL 17	0 ON MAY 1	4 200	1947
1948	---	0.583 ON AUG 19	0 ON MAY 1	3 240	1948
1949	---	0.773 ON JUL 12	0.011 ON MAY 19	5 580	1949
1950	---	0.909 ON AUG 6	0 ON MAY 1	6 320	1950
1951	---	0.682 ON AUG 8	0 ON MAY 1	2 120	1951
				4 730	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0	0.072	0.167	0.151	0.074	0.011	---	---	0.068	1927
1928	---	---	---	0	0.219	0.205	0.047	0.192	0.249	0.033	---	---	0.135	1928
1929	---	---	---	0	0.009	0.074	0.399	0.375	0.349	0.151	---	---	0.194	1929
1930	---	---	---	0	0.048	0.478	0.601	0.472	0.317	0.114	---	---	0.291	1930
1931	---	---	---	0.027	0.521	0.681	0.689	0.698	0.463	0.200	---	---	0.470	1931
1932	---	---	---	0.001	0.051	0.154	0.793	0.481	0.363	0.209	---	---	0.295	1932
1933	---	---	---	0	0.016	1.08	1.11	0.796	0.396	0.207	---	---	0.515	1933
1934	---	---	---	0	0.792	0.393	0.750	0.587	0.343	0.118	---	---	0.429	1934
1935	---	---	---	0	0	0.750	1.42	0.619	0.306	0.106	---	---	0.458	1935
1936	---	---	---	0	0.299	0.979	0.946	0.516	0.385	0.030	---	---	0.451	1936
1937	---	---	---	0	0.329	0.406	1.06	0.636	0.558	0.097	---	---	0.443	1937
1938	---	---	---	0	0	0.503	0.934	0.423	0.363	0.124	---	---	0.336	1938
1939	---	---	---	0	0.894	0.131	0.866	0.427	0.281	0.034	---	---	0.379	1939
1940	---	---	---	0	0.070	0.935	0.908	0.470	0.334	0.219	---	---	0.419	1940
1941	---	---	---	0	0.363	0.324	0.693	0.439	0.213	0.083	---	---	0.304	1941
1942	---	---	---	0	0	0.046	0.263	0.183	0.115	0.092	---	---	0.101	1942
1943	---	---	---	0	0.025	0.509	0.705	0.741	0.415	0.220	---	---	0.375	1943
1944	---	---	---	0.034	0.540	0.550	0.543	0.505	0.456	0.371	---	---	0.430	1944
1945	---	---	---	0	0.013	0.105	0.433	0.460	0.318	0.160	---	---	0.214	1945
1946	---	---	---	0	0.712	0.401	0.769	0.518	0.457	0.188	---	---	0.437	1946
1947	---	---	---	0	0.077	0.310	0.715	0.531	0.173	0.123	---	---	0.277	1947
1948	---	---	---	0	0	0	0.155	0.356	0.284	0.151	---	---	0.136	1948
1949	---	---	---	0	0.155	0.212	0.495	0.549	0.436	0.322	0.008	---	0.311	1949
1950	---	---	---	0	0.006	0.342	0.490	0.664	0.570	0.412	---	---	0.356	1950
1951	---	---	---	0	0.032	0.062	0.268	0.602	0	0	---	---	0.139	1951
1952	---	---	---	0	0.016	0.480	0.434	0.400	0.381	0.216	---	---	0.275	1952
1953	---	---	---	0	0	0.010	0.407	0.679	0.756	0.294	---	---	0.307	1953
1954	---	---	---	0	0.159	0.653	1.16	1.26	0.171	0.145	---	---	0.511	1954
1955	---	---	---	0	0.006	0.303	0.196	1.20	0.671	0.216	---	---	0.371	1955
1956	---	---	---	0	0.128	0.957	0.410	0.653	0.188	0.196	---	---	0.362	1956
1957	---	---	---	0	0.421	0.821	1.80	1.38	0.695	0.176	---	---	0.759	1957
1958	---	---	---	0	0.169	0.741	1.03	1.21	0.995	1.03	---	---	0.740	1958
1959	---	---	0	0.001	0.067	1.12	1.42	1.06	0.342	0.279	---	---	0.615	1959
1960	---	---	---	0.002	0.058	1.02	1.55	0.696	0.808	0.642	---	---	0.683	1960
1961	---	---	0.003	0.003	0.248	1.64	1.57	0.958	0.570	0.261	---	---	0.750	1961
1962	---	---	---	0.001	0.968	1.27	1.78	1.43	0.511	0.543	0.004	---	0.934	1962
1963	---	---	---	0.135	1.31	1.34	0.755	1.12	0.422	0.887	---	---	0.857	1963
1964	---	---	---	0.008	0.146	0.294	1.29	1.27	0.177	0.251	---	---	0.496	1964
1965	---	---	---	0.003	0.228	0.733	0.410	0.803	0.136	0.146	---	---	0.352	1965
1966	---	---	0	0.002	0.286	0.290	0.755	0.897	0.415	0.085	---	---	0.392	1966
1967	---	---	---	0.003	0.024	0.027	1.36	0.957	0.790	0.678	0.014	---	0.552	1967
1968	---	---	---	0.004	0.069	0.745	1.40	0.608	0.232	0.072	---	---	0.448	1968
1969	---	---	---	0.001	0.904	0.710	0.447	1.15	0.756	0.202	---	---	0.598	1969
1970	---	---	---	0	0.357	0.814	1.60	1.23	0.441	0.376	---	---	0.692	1970
1971	---	---	---	0	0.248	1.07	1.57	1.45	0.721	0.454	---	---	0.791	1971
1972	---	---	---	0	0.078	1.46	0.890	1.15	0.230	0.166	---	---	0.567	1972
1973	---	---	---	0	1.15	1.25	2.47	1.69	0.841	0.584	---	---	1.15	1973
1974	---	---	---	0	0	0.840	1.95	1.21	0.260	0.328	---	---	0.661	1974
1975	---	---	---	0	0	0.370	1.20	1.19	0.436	0.371	---	---	0.514	1975
1976	---	---	---	0	0.311	1.09	1.18	0.206	0.374	0.376	---	---	0.507	1976
1977	---	---	---	0	1.47	2.18	2.32	0.415	0.033	0.238	---	---	0.955	1977
1978	---	---	---	0	0.010	0.353	0.560	0.619	0.033	0.228	---	---	0.259	1978
1979	---	---	---	0	0	1.06	2.04	0.891	0.192	0.234	---	---	0.634	1979
1980	---	---	---	0	0.631	0.120	1.66	0.707	0.289	0.342	---	---	0.541	1980
1981	---	---	---	0	0	0.086	0.946	0.615	0.690	0.409	---	---	0.394	1981
1982	---	---	---	0	0.050	1.10	0.949	1.24	0.860	0.203	---	---	0.628	1982
MEAN	---	---	0.001	0.004	0.262	0.619	0.959	0.763	0.404	0.257	0.009	---	0.469	MEAN

LOCATION - LAT 49 20 55 N
LONG 113 03 15 W REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.292 ON JUL 7	0 ON APR 1 *	1 260	1927
1928	---	0.671 ON MAY 27	0 ON APR 1	2 500	1928
1929	---	0.691 ON OCT 23	0 ON APR 1	3 590	1929
1930	---	0.980 ON JUL 5	0 ON APR 1	5 380	1930
1931	---	0.980 ON AUG 6	0 ON APR 1	8 700	1931
1932	---	1.12 ON JUL 25	0 ON APR 1	5 450	1932
1933	---	1.58 ON JUN 22	0 ON APR 1	9 530	1933
1934	---	1.21 A ON MAY 27	0 ON APR 1	7 930	1934
1935	---	1.61 ON JUL 13	0 ON APR 1	8 470	1935
1936	---	1.64 ON JUN 26	0 ON APR 1	8 330	1936
1937	---	1.47 ON JUL 13	0 ON APR 1	8 190	1937
1938	---	1.46 ON JUL 21	0 ON APR 1	6 200	1938
1939	---	1.53 A ON MAY 19	0 ON APR 1	7 010	1939
1940	---	1.36 ON JUL 5	0 ON APR 1	7 750	1940
1941	---	1.05 ON JUL 10	0 ON APR 1	5 630	1941
1942	---	0.487 ON JUL 24	0 ON APR 1	1 860	1942
1943	---	0.881 ON AUG 3	0 ON APR 1	6 930	1943
1944	---	0.912 ON JUL 7	0 ON APR 1	7 950	1944
1945	---	0.685 ON JUL 29	0 ON APR 1	3 950	1945
1946	---	1.04 ON MAY 24	0 ON APR 1	8 080	1946
1947	---	1.31 ON JUL 19	0 ON APR 1	5 130	1947
1948	---	0.779 ON OCT 13	0 ON APR 1	2 510	1948
1949	---	0.657 ON AUG 4	0 ON APR 1	5 760	1949
1950	---	1.00 ON JUN 29	0 ON APR 1	6 570	1950
1951	---	0.946 ON AUG 2	0 ON APR 1	2 570	1951
1952	---	0.799 ON JUL 15	0 ON APR 1	5 090	1952
1953	---	0.963 ON AUG 22	0 ON APR 1	5 680	1953
1954	---	2.18 ON AUG 12	0 ON APR 1	9 440	1954
1955	---	1.61 ON AUG 16	0 ON APR 1	6 870	1955
1956	---	1.73 ON JUN 12	0 ON APR 1	6 690	1956
1957	---	2.29 ON JUL 25	0 ON APR 1	14 000	1957
1958	---	1.61 ON JUL 17	0 ON APR 1	13 700	1958
1959	---	2.35 ON JUL 30	0 E ON APR 1	11 400	1959
1960	---	2.18 ON JUL 20	0 E ON APR 1	12 600	1960
1961	---	2.58 ON JUN 7	0 ON MAY 1	13 900	1961
1962	---	2.15 ON JUL 25	0 ON APR 11	17 300	1962
1963	---	2.23 ON JUN 20	0 ON APR 9	15 800	1963
1964	---	1.96 ON AUG 12	0 ON APR 15	9 170	1964
1965	---	1.94 ON JUN 11	0 E ON APR 14	6 510	1965
1966	---	2.17 ON AUG 4	0 ON APR 1	7 240	1966
1967	---	2.12 ON JUL 31	0 B ON APR 18	10 200	1967
1968	---	2.04 ON JUL 17	0.003 ON APR 8	8 290	1968
1969	---	2.41 ON AUG 5	0 ON OCT 24	11 100	1969
1970	---	2.79 ON JUL 16	0 ON APR 1	12 800	1970
1971	---	2.23 ON JUL 22	0 ON APR 1	14 600	1971
1972	---	2.31 ON AUG 11	0 ON APR 1	10 500	1972
1973	---	3.14 ON JUL 20	0 ON APR 1	21 200	1973
1974	---	2.73 ON AUG 2	0 E ON APR 1	12 200	1974
1975	---	2.29 ON JUL 24	0 ON APR 1	9 500	1975
1976	---	2.41 ON JUN 1	0 ON APR 1	9 380	1976
1977	---	3.57 ON JUL 22 *	0 E ON APR 1	17 700	1977
1978	---	1.43 ON AUG 11	0 E ON APR 1	4 800	1978
1979	---	2.66 ON JUL 20	0 ON APR 1	11 700	1979
1980	---	2.22 ON MAY 22	0 A ON APR 1	9 990	1980
1981	---	1.77 ON JUL 21	0 ON APR 1	7 290	1981
1982	---	1.65 ON JUN 27	0 E ON APR 1	11 600	1982
				8 670	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	60.9	45.3	41.5	18.6	---	---	---	1916
1917	---	---	---	---	10.9	33.3	40.8	38.4	18.7	---	---	---	---	1917
1918	---	---	---	---	10.3	33.5	57.4	74.9	22.0	---	---	---	---	1918
1919	---	---	---	---	---	---	---	44.1	43.2	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	32.5	---	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	11.6	6.06	3.76	---	1972
1973	2.82	2.59	2.19	2.46	13.1	35.8	40.3	38.1	15.4	9.08	5.84	4.57	14.4	1973
1974	3.83	3.05	2.34	2.77	7.13	30.6	59.3	44.2	38.9	14.6	7.64	4.68	18.4	1974
1975	3.06	2.40	2.08	2.26	7.61	30.0	43.8	41.4	20.3	9.26	7.87	4.57	14.6	1975
1976	3.10	2.72	2.17	2.71	15.8	29.0	41.2	41.8	39.8	14.4	5.60	3.88	16.9	1976
1977	3.14	2.35	1.98	3.42	14.8	41.1	46.2	43.1	25.3	11.3	5.92	4.33	17.0	1977
1978	3.19	2.65	2.12	2.55	---	---	---	---	43.9	20.6	7.78	4.78	---	1978
1979	3.08	2.79	2.51	2.58	8.20	37.3	41.8	30.4	18.4	9.99	4.87	3.69	13.9	1979
1980	2.68	2.35	2.32	4.26	26.9	41.3	37.5	26.8	18.6	12.2	5.20	4.55	15.4	1980
1981	3.63	2.27	1.92	2.25	14.3	32.9	33.3	37.2	22.6	10.0	5.29	3.63	14.2	1981
1982	3.03	2.39	1.93	1.86	6.86	37.7	62.1	45.0	39.3	13.8	6.12	4.34	18.8	1982
MEAN	3.16	2.56	2.16	2.71	12.4	34.8	47.1	42.4	29.4	13.0	6.20	4.25	16.0	MEAN

LOCATION - LAT 52 51 51 N LONG 118 01 34 W

DRAINAGE AREA, 908 km^2
NATURAL FLOW

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	94.3 ON JUL 14 *	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1972	---	---	---	---	1972
1973	51.0 AT 12:00 MST ON JUN 24	48.1 ON JUN 24	1.84 ON MAR 31	455 000	1973
1974	74.2 AT 09:40 MST ON JUL 19	72.8 ON JUL 19	2.10 ON MAR 26	580 000	1974
1975	49.8 AT 21:00 MST ON JUL 2	46.7 ON JUL 3	1.89 ON MAR 29	462 000	1975
1976	45.0 AT 01:00 MST ON AUG 4	44.2 ON AUG 4	1.91 ON APR 1	534 000	1976
1977	51.3 AT 17:30 MST ON JUL 29	48.7 ON JUL 9	1.78 ON MAR 14	537 000	1977
1978	---	---	2.00 ON APR 13	---	1978
1979	45.9 AT 17:00 MST ON JUL 11	44.4 ON JUL 11	2.27 ON MAR 28	438 000	1979
1980	48.5 AT 14:10 MST ON JUN 24	47.5 ON JUN 24	2.10 ON FEB 14	488 000	1980
1981	41.5 AT 16:30 MST ON JUL 22	41.4 ON JUL 22	1.74 ON MAR 20	448 000	1981
1982	92.2 AT 13:35 MST ON JUL 8 *	89.3 ON JUL 8	1.56 ON APR 7 *	593 000	1982
				504 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.138	0.198	0.087	0.005	0	0.079	0.101	---	---	---	1910
1912	---	---	---	0.524	0.332	0.121	0.117	0.095	0.029	0.093	---	---	---	1912
1913	---	---	---	---	0.446	0.148	0.065	0.043	0.030	0.037	---	---	---	1913
1914	---	---	---	---	0.344	0.163	0.068	0.027	0.036	0.146	---	---	---	1914
1915	---	---	---	0.349	0.775	2.96	1.19	0.794	0.483	0.697	---	---	---	1915
1916	---	---	---	0.781	1.19	1.30	1.07	0.184	0.123	0.167	---	---	---	1916
1922	---	---	0.002	0.231	0.841	0.238	0.163	0.019	0.009	0.017	---	---	0.190	1922
1923	---	---	0.056	0.150	0.095	0.484	0.176	0.106	0.037	0.072	---	---	0.146	1923
1924	---	---	0.038	0.321	0.261	0.838	0.130	0.205	0.016	0.041	---	---	0.229	1924
1925	---	---	0.184	1.04	0.658	0.227	0.056	0.013	0.051	0.147	---	---	0.295	1925
1926	---	---	0.038	0.093	0.020	0.091	0.018	0.002	0.186	0.092	---	---	0.067	1926
1927	---	---	0.046	1.26	6.29	4.49	0.384	0.423	0.987	0.767	---	---	1.83	1927
1928	---	---	1.12	1.72	0.476	0.732	1.12	0.275	0.129	0.149	---	---	0.713	1928
1929	---	---	0.071	0.425	1.08	0.602	0.130	0.011	0.008	0.013	---	---	0.292	1929
1930	---	---	0.409	0.577	0.581	0.273	0.073	0.008	0.018	0.013	---	---	0.243	1930
1931	---	---	0.051	0.042	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.062	0.083	---	---	---	1935
1936	---	---	0.073	---	0.064	0.136	---	---	---	---	---	---	---	1936
MEAN	---	---	0.190	0.547	0.853	0.806	0.318	0.147	0.143	0.165	---	---	0.445	MEAN

LOCATION - LAT 49 08 00 N   DRAINAGE AREA, 56.7 km^2
LONG 113 35 00 W   NATURAL FLOW

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	0.566 ON MAY 19	0 ON JUL 18 *	---	1910
1912	---	1.05 ON APR 6	---	---	1912
1913	---	---	---	---	1913
1914	---	0.736 ON MAY 11	---	---	1914
1915	---	6.91 ON JUN 3	---	---	1915
1916	---	6.77 ON JUL 2	0 ON JUN 24	---	1916
1922	---	1.76 ON MAY 6	0 ON MAR 1	4 030	1922
1923	---	0.940 ON JUN 1	0.020 ON MAY 22	3 100	1923
1924	---	2.18 ON JUN 7	0.006 ON SEP 13	4 850	1924
1925	---	1.59 ON APR 25	0 ON AUG 7	6 250	1925
1926	---	1.16 ON JUN 20	0 B ON MAR 1	1 410	1926
1927	---	27.6 ON MAY 29 *	0.008B ON MAR 1	38 600	1927
1928	---	8.83 ON MAR 31	0 B ON MAR 1	15 100	1928
1929	---	2.46 ON JUN 3	0 ON AUG 19	6 180	1929
1930	---	2.01 B ON MAR 19	0 E ON AUG 28	5 150	1930
1931	---	0.139 ON APR 5	0.014 ON APR 30	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	---	0 B ON MAR 31	---	1936
				9 410	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.018	0.015	0.045	0.014	0.014	0.007	0.002	---	---	0.016	1961
1962	---	---	---	0.043	0.021	0.036	0.013	0.042	0.012	0.028	---	---	0.028	1962
1963	---	---	---	0.019	0.011	0.008	0.008	0.137	0.012	0.004	0.036	---	0.029	1963
1964	---	---	---	0.048	0.063	0.230	0.039	0.065	0.023	0.010	0.019	---	0.068	1964
1965	---	---	---	0.291	0.168	0.056	0.035	0.138	0.006	0.010	0.083	---	0.100	1965
1966	---	---	---	0.135	0.144	0.031	0.045	0.043	0.006	0.002	---	---	0.058	1966
1967	---	---	---	0.279	0.899	1.46	0.042	0.086	0.015	0.004	---	---	0.395	1967
1968	---	---	---	0.079	0.059	0.027	0.011	0.032	0.023	0.009	0.057	---	0.034	1968
1969	---	---	---	0.175	0.144	0.088	0.827	0.040	0.021	0.015	---	---	0.188	1969
1970	---	---	---	0.098	0.043	0.137	0.090	0.178	0.037	0.002	---	---	0.083	1970
1971	---	---	---	0.112	0.018	0.008	0.008	0.023	0.006	0.006	---	---	0.026	1971
1972	---	---	---	0.040	0.070	0.416	0.030	0.012	0.044	0.001	---	---	0.086	1972
1973	---	---	---	0.073	0.022	0.017	0.035	0.015	0.005	0.025	---	---	0.027	1973
1974	---	---	---	---	0.143	0.094	0.085	0.187	0.052	0.042	---	---	---	1974
MEAN	---	---	---	0.108	0.130	0.190	0.092	0.072	0.019	0.011	0.049	---	0.088	MEAN

LOCATION - LAT 49 06 51 N DRAINAGE AREA, 35.2 km²
LONG 113 37 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1966

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.232 ON APR 26	0 ON OCT 19 *	304	1961
1962	---	0.323 ON OCT 7	0 ON JUN 15	514	1962
1963	---	0.821 ON AUG 11	0 ON OCT 29	530	1963
1964	---	0.597E ON JUN 8	0.003 ON JUN 24	1 260	1964
1965	---	0.549 ON AUG 24	0 ON SEP 12	1 860	1965
1966	---	0.306 ON MAY 7	0 ON JUN 6	1 070	1966
1967	---	2.49 ON MAY 31 *	0 ON OCT 17	7 300	1967
1968	---	0.340 ON MAY 24	0 ON MAY 9	630	1968
1969	---	2.38 ON JUL 9	0 ON OCT 2	3 480	1969
1970	---	0.932B ON APR 6	0 ON OCT 8	1 540	1970
1971	---	0.176 ON AUG 19	0 ON JUN 21	474	1971
1972	---	1.23 ON JUN 2	0 ON APR 1	1 600	1972
1973	---	0.198 ON APR 30	0.002 ON OCT 18	506	1973
1974	---	0.606 ON AUG 8	---	---	1974
MEAN				1 620	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 06AC009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.819	0.362	0.068	0.024	0.009	0	0	---	---	---	1981
MEAN	---	---	0.016	0.819	0.362	0.068	0.024	0.009	0	0	---	---	---	MEAN

LOCATION - LAT 54 26 55 N DRAINAGE AREA, 442 km²
LONG 110 56 10 W NATURAL FLOW

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 06AC009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	1.36A ON APR 9 *	0B ON MAR 1 *	---	1981
MEAN				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.352	0.148	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	0.098	0.023	0	0	0	0	---	---	---	1912
1913	---	---	0.318	0.791	0.089	0.039	0	0	0	0	---	---	0.153	1913
1914	---	---	0.403	0.534	0	0.090	0	0	0	0.139	---	---	0.145	1914
1915	---	---	1.07	0.633	0	0.040	0.223	0.123	0	0	---	---	0.262	1915
1916	---	---	---	0.039	0.585	1.58	1.65	0.021	1.14	---	---	---	---	1916
1917	---	---	0.047	3.18	0.528	0.045	0.017	0	0	0	---	---	0.470	1917
1919	---	---	0.019	1.22	0.028	0.003	0	0	0	0	---	---	0.156	1919
1920	---	---	1.14	1.56	0.323	0.038	0.028	0	0	0	---	---	0.384	1920
1921	---	---	0.751	4.30	0.297	0.102	0.007	0	0	0	---	---	0.672	1921
1922	---	---	0.119	7.59	0.238	0.015	0.049	0.023	0	0	---	---	0.985	1922
1923	---	---	0.544	1.00	0.048	0.262	0.201	0.179	0	0	---	---	0.277	1923
1924	---	0.043	0.037	0.326	0.001	0.033	0	0.005	0	0	---	---	0.049	1924
1925	---	---	1.62	1.82	0.033	0.026	0	0.006	0.087	0.022	---	---	0.449	1925
1926	---	0.126	1.63	0.043	0.004	0.015	0	0.217	0.164	0	---	---	0.262	1926
1927	---	---	0.578	2.65	1.20	0.085	0.200	0.039	0.010	0.034	---	---	0.595	1927
1928	---	---	6.24	1.56	0.137	0.026	0.285	0.088	0	0	---	---	1.05	1928
1929	---	---	0.915	1.16	0.414	0.012	0	0	0	0	---	---	0.312	1929
1930	---	0.504	0.416	0.773	0.013	0.001	0.005	0	0.058	0.010	---	---	0.159	1930
1931	---	---	0.113	0.032	0	0	---	---	---	---	---	---	---	1931
1935	---	---	---	1.94	0.145	0.037	---	---	---	---	---	---	---	1935
1936	---	---	0.121	2.04	0.032	0.008	---	---	---	---	---	---	---	1936
1937	---	---	0.079	1.95	0.017	0.005	---	---	---	---	---	---	---	1937
1938	---	---	0.645	1.04	0.214	0.151	---	---	---	---	---	---	---	1938
1939	---	---	2.52	0.219	0.030	0.375	---	---	---	---	---	---	---	1939
1940	---	---	0	3.97	0.397	0.057	---	---	---	---	---	---	---	1940
1941	---	---	2.26	0.071	0.001	0.049	---	---	---	---	---	---	---	1941
1942	---	---	0.291	0.700	0.227	1.70	---	---	---	---	---	---	---	1942
1943	---	---	4.09	1.18	0.053	0.020	---	---	---	---	---	---	---	1943
1944	---	---	0.003	0.033	0	0.057	---	---	---	---	---	---	---	1944
1945	---	---	1.11	0.022	0	0	---	---	---	---	---	---	---	1945
1946	---	---	1.98	0.106	0	0.060	---	---	---	---	---	---	---	1946
1947	---	---	1.85	3.12	0.067	0.035	---	---	---	---	---	---	---	1947
1948	---	---	0.034	6.85	---	---	---	---	---	---	---	---	---	1948
1949	---	---	0.255	0.266	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.016	1.47	0.022	0	---	---	---	---	---	---	---	1950
1951	---	---	0	5.89	1.60	0	---	---	---	---	---	---	---	1951
1952	---	---	0.036	6.04	0.171	0.002	---	---	---	---	---	---	---	1952
1953	---	---	0.682	2.24	1.08	0.265	---	---	---	---	---	---	---	1953
1954	---	---	0.006	1.04	0.137	0	---	---	---	---	---	---	---	1954
1955	---	---	0.330	6.76	1.22	0.022	---	---	---	---	---	---	---	1955
1956	---	---	0.667	1.37	0.059	0.101	---	---	---	---	---	---	---	1956
1957	---	---	0.907	3.29	0.056	0.030	0	0	0	0	---	---	0.528	1957
1958	---	---	0.936	4.03	0.064	0.001	0	0	0	0	---	---	0.619	1958
1959	---	---	2.20	0.936	0.024	0.024	0.002	0	0	0	---	---	0.399	1959
1960	---	---	3.02	0.779	0.331	0.005	0	0.002	0	0	---	---	0.520	1960
1961	---	---	0.205	0	0	0	0.005	0	0	0	---	---	0.027	1961
1962	---	---	0.374	0.055	0	0.163	0.011	0	0	0	---	---	0.075	1962
1963	---	---	0.694	0.201	0.002	0.080	0.485	0	0	0	---	---	0.184	1963
1964	---	---	0.379	0.949	0.387	0	0	0	0.042	0	---	---	0.218	1964
1965	---	---	0	6.12	0.331	1.44	0.401	0.002	0.026	0.003	---	---	1.02	1965
1966	---	---	2.67	0.626	0.182	0.244	0.072	0	0	0	---	---	0.476	1966
1967	---	---	0.183	3.26	2.10	0.112	0	0	0	0	---	---	0.702	1967
1968	---	---	0.168	0.096	0.017	0.043	0	0	0.044	0	---	---	0.046	1968
1969	---	---	0.197	3.72	0.034	0.002	0.002	0	0	0	---	---	0.485	1969
1970	---	---	0.140	2.09	0.181	0.380	0.052	0	0	0	---	---	0.350	1970
1971	---	---	0.040	1.49	0.111	0.046	0.002	0	0	0	---	---	0.207	1971
1972	---	---	1.70	0.091	0.023	0	0	0	0	0	---	---	0.229	1972
1973	---	---	0.123	0	0	0.243	0	0	0	0	---	---	0.045	1973
1974	---	---	0.450	1.38	0.401	0.078	0.070	0	0	0	---	---	0.295	1974
1975	---	---	0	1.38	1.69	0.714	0.001	0.007	0	0.001	---	---	0.471	1975
1976	---	---	1.89	0.368	0.029	0.213	0.001	0.072	0	0	---	---	0.323	1976
1977	---	---	0.012	0	0.031	0.005	0.001	0	0	0	---	---	0.006	1977
1978	---	---	0.572	2.54	0.730	0.023	0.205	0	0.191	0	---	---	0.527	1978
1979	---	---	3.34	2.12	0.352	0.007	0.001	0	0	0	---	---	0.728	1979
1980	---	---	0.198	0.059	0	0	0	0	0	0	---	---	0.032	1980
1981	---	0.623	0.024	0	0.056	0.014	0.177	0	0	0	---	---	0.034	1981
1982	---	0	0.158	3.06	0.542	0.618	0.001	0.004	0	0	---	---	0.540	1982
MEAN	---	0.259	0.836	1.74	0.259	0.149	0.094	0.018	0.040	0.005	---	---	0.368	MEAN

LOCATION - LAT 49 21 30 N DRAINAGE AREA, 339 km^2
LONG 110 43 30 W NATURAL FLOW

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911	---	6.23 E ON JUL 1	0 ON JUN 5 *	---	1911
1912	---	---	0 ON JUN 25	---	1912
1913	---	2.15 ON MAY 19	0 ON MAR 1	3 240	1913
1914	---	2.38 ON MAR 14	0 ON MAR 1	3 070	1914
1915	---	8.52 ON MAR 25	0 ON MAR 1	5 540	1915
1916	---	28.6 ON JUN 11	---	---	1916
1917	---	8.92 ON APR 9	0 ON MAR 1	9 930	1917
1919	---	10.4 ON APR 17	0 ON MAR 1	3 300	1919
1920	---	6.65 ON APR 14	0B ON MAR 1	8 130	1920
1921	52.1 AT 07:00 MST ON APR 14	41.3 ON APR 14	0 ON JUN 12	14 200	1921
1922	58.6 AT 19:00 MST ON APR 21	50.7 ON APR 21	0 ON MAR 1	20 900	1922
1923	14.6 AT 07:00 MST ON AUG 10	4.42 ON AUG 10	0B ON MAR 1	5 870	1923
1924	---	2.27 ON APR 7	0B ON MAR 14	1 050	1924
1925	21.2 B AT 07:00 MST ON MAR 30	13.4 B ON MAR 29	0B ON MAR 1	9 500	1925
1926	14.0 B ON MAR 3	7.96 B ON MAR 4	0 ON MAY 22	5 540	1926
1927	24.4 AT 13:00 MST ON MAY 23	17.6 ON MAY 23	0B ON MAR 1	12 600	1927
1928	59.7 B ON MAR 20	43.9 B ON MAR 21	0B ON MAR 1	22 200	1928
1929	13.0 AT 07:00 MST ON MAR 29	10.5 ON APR 30	0B ON MAR 1	6 600	1929
1930	6.20 ON APR 4	5.30 ON APR 3	0 ON MAY 26	3 360	1930
1931	---	0.654 ON MAR 20	0 ON MAR 10	---	1931
1935	22.5 AT 07:00 MST ON APR 17	17.0 E ON APR 16	0 ON JUN 11	---	1935
1936	---	11.9 ON APR 12	0B ON MAR 1	---	1936
1937	18.6 ON APR 10	13.9 ON APR 10	0B ON MAR 1	---	1937
1938	6.23 AT 08:00 MST ON APR 10	5.80 ON APR 10	0B ON MAR 1	---	1938
1939	20.4 B AT 08:00 MST ON MAR 22	16.4 B ON MAR 21	0B ON MAR 1	---	1939
1940	27.3 AT 11:00 MST ON APR 21	24.7 ON APR 21	0B ON MAR 1	---	1940
1941	---	14.0 ON MAR 20	0 ON MAR 1	---	1941
1942	31.1 AT 07:00 MST ON JUN 26	22.7 ON JUN 26	0B ON MAR 1	---	1942
1943	85.8 AT 07:00 MST ON MAR 29 *	54.1 ON MAR 29 *	0 ON MAR 1	---	1943
1944	---	1.41 ON JUN 13	0B ON MAR 1	---	1944
1945	3.54 AT 08:00 MST ON MAR 21	3.45 ON MAR 23	0B ON MAR 1	---	1945
1946	9.57 AT 08:00 MST ON MAR 20	9.46 ON MAR 20	0B ON MAR 1	---	1946
1947	27.3 AT 08:00 MST ON APR 2	20.7 ON APR 1	0B ON MAR 1	---	1947
1948	---	31.7 ON APR 17	0B ON MAR 1	---	1948
1949	---	1.59 ON MAR 25	0 ON MAR 1	---	1949
1950	---	8.13 ON APR 14	0 ON MAR 1	---	1950
1951	---	24.9 ON APR 5	0B ON MAR 1	---	1951
1952	---	24.3 ON APR 13	0B ON MAR 1	---	1952
1953	---	10.5 ON APR 24	0B ON MAR 1	---	1953
1954	---	8.50 B ON APR 9	0B ON APR 1	---	1954
1955	30.9 ON APR 9	27.1 ON APR 9	0B ON MAR 1	---	1955
1956	---	7.48 B ON MAR 26	0B ON MAR 1	---	1956
1957	19.3 AT 15:00 MST ON APR 1	15.5 ON APR 1	0B ON MAR 1	11 200	1957
1958	28.0 A AT 09:00 MST ON APR 4	24.6 A ON APR 4	0 ON MAY 29	13 100	1958
1959	15.7 B AT 23:00 MST ON MAR 26	10.8 ON MAR 27	0B ON MAR 1	8 450	1959
1960	15.0 AT 13:00 MST ON MAR 27	11.9 ON MAR 27	0B ON MAR 1	11 000	1960
1961	1.76 AT 01:15 MST ON MAR 17	1.23 ON MAR 17	0B ON MAR 7	562	1961
1962	8.30 AT 12:00 MST ON JUN 15	3.40 ON JUN 14	0B ON MAR 1	1 600	1962
1963	8.75 AT 11:00 MST ON JUL 1	6.71 ON JUL 1	0 ON MAY 9	3 890	1963
1964	6.29 AT 12:00 MST ON APR 2	5.61 ON APR 2	0 ON MAR 1	4 630	1964
1965	---	27.1 ON APR 14	0B ON MAR 1	21 700	1965
1966	---	7.65 ON MAR 31	0B ON MAR 1	10 100	1966
1967	14.8 AT 12:00 MST ON APR 28	11.3 ON APR 11	0B ON MAR 1	14 800	1967
1968	1.38 AT 03:00 MST ON JUN 9	0.793B ON MAR 1	0B ON MAR 13	968	1968
1969	23.3 AT 04:00 MST ON APR 3	16.4 ON APR 3	0B ON MAR 1	10 300	1969
1970	32.6 AT 06:50 MST ON APR 7	16.4 ON APR 7	0B ON MAR 1	7 400	1970
1971	5.44 AT 09:30 MST ON APR 7	4.08 ON APR 7	0B ON MAR 1	4 380	1971
1972	24.0 AT 11:30 MST ON MAR 17	15.3 ON MAR 17	0B ON MAR 1	4 850	1972
1973	4.16 AT 08:45 MST ON JUN 16	2.61 ON JUN 16	0 ON MAR 24	958	1973
1974	7.48 AT 11:50 MST ON MAR 30	5.07 ON MAR 30	0B ON MAR 1	6 240	1974
1975	18.6 AT 03:30 MST ON JUN 20	11.6 ON JUN 20	0B ON MAR 1	9 970	1975
1976	23.7 B AT 03:50 MST ON MAR 18	12.7 B ON MAR 18	0B ON MAR 4	6 830	1976
1977	1.54 AT 07:00 MST ON MAY 16	0.753 ON MAY 16	0B ON MAR 18	128	1977
1978	8.58 AT 09:30 MST ON MAR 31	6.82 ON MAR 31	0B ON MAR 1	11 200	1978
1979	13.5 AT 16:15 MST ON MAR 16	12.3 ON MAR 17	0B ON MAR 1	1[illegible] 400	1979
1980	---	0.950B ON MAR 21	0B ON MAR 1	684	1980
1981	5.10 AT 23:00 MST ON JUL 13	2.57 ON JUL 14	0 ON MAR 20	726	1981
1982	---	16.8 B ON APR 14	0B ON MAR 1	11 400	1982
				7 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.570	0.321	0.032	0.038	0.012	0.001	---	---	---	---	1981
1982	---	---	---	0	0	0.001	0.006	0.058	0.139	0.070	---	---	0.039	1982
MEAN	---	---	---	0.285	0.161	0.017	0.022	0.035	0.070	0.070	---	---	0.039	MEAN

LOCATION - LAT 54 31 25 N
LONG 110 19 41 W   NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.921 AT 18:42 MST ON APR 24 *	0.832 ON APR 24 *	0 ON AUG 26 *	---	1981
1982	0.249 AT 09:02 MST ON SEP 14	0.231 ON SEP 25	0B ON APR 1	720	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		720	MEAN

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	0.063	0.033	0.025	---	1962
1963	0.018	0.016	0.014	0.026	0.178	0.590	0.468	0.136	0.072	0.047	0.032	0.023	0.135	1963
1964	0.018	0.015	0.014	0.025	0.166	0.953	0.319	0.072	0.088	0.087	0.039	0.025	0.151	1964
1965	0.020	0.016	0.014	0.031	0.114	0.669	0.450	0.196	0.148	0.204	0.091	0.043	0.167	1965
1966	0.028	0.022	0.022	0.033	0.292	0.570	0.299	0.103	0.057	0.049	0.031	0.024	0.128	1966
1967	0.018	0.016	0.014	0.015	0.170	0.805	0.311	0.089	0.039	0.032	0.024	0.018	0.129	1967
1968	0.016	0.014	0.014	0.017	0.148	0.534	0.271	0.134	0.104	0.086	0.040	0.030	0.117	1968
1969	0.022	0.018	0.016	0.058	0.354	0.594	0.474	0.090	0.048	0.038	0.028	0.019	0.147	1969
1970	0.014	0.014	0.012	0.012	0.138	0.617	0.195	0.061	0.040	0.031	0.022	0.017	0.098	1970
1971	0.014	0.013	0.012	0.026	0.295	0.821	0.226	0.073	0.039	0.032	0.023	0.015	0.132	1971
1972	0.014	0.013	0.015	0.021	0.234	0.872	0.336	0.126	0.078	0.058	0.034	0.023	0.152	1972
1973	0.018	0.017	0.015	0.020	0.223	0.642	0.267	0.083	0.085	0.047	0.034	0.026	0.123	1973
1974	0.019	0.015	0.014	0.037	0.142	0.914	0.307	0.128	0.086	0.063	0.036	0.025	0.149	1974
1975	0.019	0.015	0.014	0.015	0.097	0.453	0.279	0.142	0.082	0.049	0.033	0.025	0.102	1975
1976	0.019	0.017	0.015	0.035	0.373	0.437	0.272	0.207	0.161	0.077	0.039	0.028	0.140	1976
1977	0.020	0.017	0.015	0.035	0.177	0.254	0.092	0.144	0.123	0.073	0.038	0.027	0.085	1977
1978	0.020	0.017	0.015	0.027	0.173	0.661	0.285	0.105	0.080	0.071	0.041	0.028	0.127	1978
1979	0.019	0.017	0.016	0.020	0.174	0.394	0.142	0.055	0.038	0.027	0.018	0.015	0.078	1979
1980	0.012	0.011	0.010	0.052	0.303	0.537	0.118	0.099	0.130	0.101	0.041	0.029	0.123	1980
1981	0.023	0.018	0.017	0.034	0.488	0.650	0.419	0.193	0.062	0.037	0.026	0.015R	0.166R	1981
1982	0.009	0.011	0.012	0.018	0.119	0.605	0.214	0.068	0.055	0.050	0.027	0.021	0.101	1982
MEAN	0.018	0.016	0.015	0.028	0.218	0.622	0.284	0.114	0.083	0.063	0.035	0.024R	0.128	MEAN

LOCATION - LAT 50 57 01 N DRAINAGE AREA, 9.40 km^2
LONG 115 09 08 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	0.631 ON JUN 17	0.620 ON JUN 18	---	---	1962
1963	1.75 AT 01:00 MST ON JUN 30	1.69 ON JUN 30	0.013 ON MAR 4	4 250	1963
1964	2.16 AT 07:30 MST ON JUN 8	1.95 ON JUN 8	0.010 ON MAR 24	4 780	1964
1965	1.76 AT 04:00 MST ON JUN 18	1.58 ON JUN 18	0.013 ON MAR 23	5 260	1965
1966	0.926 AT 20:00 MST ON MAY 31	0.861 ON JUN 1	0.018 ON MAR 14	4 040	1966
1967	1.08 AT 18:00 MST ON JUN 19	1.03 ON JUN 18	0.014 ON MAR 2	4 080	1967
1968	0.898 AT 20:30 MST ON JUN 2	0.759 ON JUN 3	0.012 ON FEB 18	3 700	1968
1969	1.08 AT 17:40 MST ON JUN 29	1.06 ON JUN 29	0.012 ON DEC 28	4 640	1969
1970	1.35 AT 17:10 MST ON JUN 16	1.28 ON JUN 16	0.010 ON JAN 8	3 080	1970
1971	2.39 AT 04:00 MST ON JUN 6 *	2.18 ON JUN 6 *	0.010 ON DEC 11	4 180	1971
1972	1.57 AT 17:00 MST ON JUN 10	1.45 ON JUN 10	0.012 ON FEB 14	4 800	1972
1973	1.05 AT 19:10 MST ON JUN 23	0.997 ON JUN 23	0.014 ON MAR 20	3 880	1973
1974	2.14 AT 17:10 MST ON JUN 17	1.95 ON JUN 17	0.013 ON MAR 13	4 690	1974
1975	0.748 AT 18:00 MST ON JUN 24	0.663 ON JUN 24	0.012 ON APR 4	3 220	1975
1976	0.660 AT 16:00 MST ON MAY 27	0.614 ON MAY 28	0.014 ON MAR 11	4 430	1976
1977	0.544 AT 22:00 MST ON JUN 1	0.456 ON JUN 8	0.014 ON MAR 16	2 680	1977
1978	1.17 AT 18:15 MST ON JUN 5	1.02 ON JUN 6	0.014 ON MAR 3	4 000	1978
1979	0.771 AT 17:00 MST ON MAY 26	0.593 ON MAY 27	0.013A ON DEC 10	2 460	1979
1980	0.925 AT 10:35 MST ON JUN 11	0.882 ON JUN 11	0.009E ON MAR 26	3 900	1980
1981	1.51 AT 16:40 MST ON MAY 26	1.42 ON MAY 26	0.006RE ON DEC 31	5 230R	1981
1982	1.09 AT 20:23 MST ON JUN 16	1.03 ON JUN 16	0.002 ON JAN 5 *	3 170	1982
				4 020R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD   R - REVISED SINCE JAN 1980

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	1962
MEAN	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	MEAN

LOCATION - LAT 50 56 50 N DRAINAGE AREA, 11.9 km^2
LONG 115 08 30 W NATURAL FLOW

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.620 ON JUN 18 *	---	---	1962
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	0.174	0.016	0.005	0.001	---	---	---	1915
1916	0	0	0	0.022	0.044	0.027	0.053	0.053	0.033	0.013	0.005	0	0.021	1916
1917	0	0	0	0.007	0.075	0.037	0.020	0.005	0.006	0.003	0.002	0	0.013	1917
1918	0	0	0.001	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0	0	0	0.015	0.060	0.032	0.082	0.025	0.015	0.006	0.004	0	0.017	MEAN

LOCATION - LAT 52 28 00 N DRAINAGE AREA, 3.03 km^2
LONG 116 04 20 W NATURAL FLOW

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5.69 ON JUN 26 *	---	---	1915
1916	---	0.142 ON MAY 27	0B ON JAN 1 *	658	1916
1917	---	0.198 ON MAY 20	0 ON JAN 1	410	1917
1918	---	---	0B ON JAN 1	---	1918
				534	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	3.46R	2.71R	3.27R	2.17R	---	1981
1982	1.34	1.10	1.30	11.6	29.3	17.4	16.6	18.1	10.3	7.86	5.24	4.80	10.5	1982
MEAN	1.34	1.10	1.30	11.6	29.3	17.4	16.6	18.1	6.88R	5.29R	4.26R	3.49R	10.5	MEAN

LOCATION - LAT 54 41 10 N DRAINAGE AREA, 5 350 km^2
LONG 110 01 35 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	76.6B AT 07:00 MST ON APR 25 *	46.5B ON APR 26 *	1.09B ON FEB 13 *	331 000	1982
				331 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.002	0.011	0.012	---	---	---	1972
1973	---	---	0.024	0.051	0.008	0.020	0.161	0.034	0	---	---	---	---	1973
1974	---	---	0	2.03	0.255	0.097	0.214	0.016	0.009	0.009	---	---	0.325	1974
1975	---	---	0.003	0.325	0.155	0.025	0.004	0.010	0.007	0.005	---	---	0.066	1975
1976	---	---	0.003	0.111	0.008	0.002	0	0	0	0	---	---	0.015	1976
1977	---	---	0.002	0.027	0.056	0.029	0.006	0.004	0.006	0.004	---	---	0.017	1977
1978	---	---	0.061	0.105	0.025	0.011	0.005	0.021	0.054	0.034	---	---	0.039	1978
1979	---	---	0.185	0.171	0.039	0.011	0.010	0.012	0.007	0.004	---	---	0.055	1979
1980	---	---	0.012	0.257	0.019	0.027	0.022	0.145	0.190	0.070	---	---	0.092	1980
1981	---	---	0.391	0.082	0.032	0.011	0.096	0.115	0.011	0.012	---	---	0.095	1981
1982	---	---	0	1.14	0.126	0.191	0.158	0.004	0.007	0.011	---	---	0.201	1982
MEAN	---	---	0.068	0.430	0.072	0.042	0.068	0.033	0.027	0.016	---	---	0.101	MEAN

LOCATION - LAT 52 47 05 N DRAINAGE AREA, 73.3 km^2
LONG 113 37 46 W NATURAL FLOW

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 ON JUL 12 *	---	1972
1973	---	2.66 ON JUL 1	0 B ON MAR 1	---	1973
1974	---	8.10 ON APR 20 *	0 B ON MAR 1	6 870	1974
1975	---	1.61 B ON APR 20	0.002 ON JUL 24	1 400	1975
1976	---	0.507B ON APR 7	0 ON JUN 27	325	1976
1977	---	0.130 ON MAY 16	0.001B ON MAR 1	354	1977
1978	---	0.297B ON MAR 29	0 B ON MAR 1	830	1978
1979	1.28B AT 21:45 MST ON APR 18	0.924B ON MAR 18	0 B ON MAR 1	1 160	1979
1980	1.06 AT 10:45 MST ON AUG 28	0.788 ON AUG 28	0 B ON MAR 1	1 940	1980
1981	---	1.38 B ON MAR 15	0 ON SEP 12	2 000	1981
1982	5.45 AT 19:50 MST ON APR 21 *	5.28 ON APR 22	0 B ON MAR 1	4 260	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 130	MEAN

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.006	0.010	---	---	---	1972
1973	---	---	0.037	0.088	---	---	---	---	---	---	---	---	---	1973
MEAN	---	---	0.037	0.088	---	---	---	---	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 52 48 50 N DRAINAGE AREA, 102 km^2
LONG 113 37 00 W NATURAL FLOW

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	0B ON MAR 1 *	---	1973
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	1.21	2.42	4.81	10.0	3.30	3.47	---	---	---	1954
1955	---	---	---	---	2.21	2.87	4.63	5.08	1.15	1.73	---	---	---	1955
1956	---	---	---	---	0.555	5.86	5.73	4.30	4.62	4.76	---	---	---	1956
1957	---	---	---	---	0.770	6.70	6.28	4.18	1.97	3.72	---	---	---	1957
1958	---	---	---	---	1.29	7.12	6.18	5.06	1.68	1.72	---	---	---	1958
1959	---	---	---	---	1.05	3.35	5.76	5.87	1.86	2.69	---	---	---	1959
1960	---	---	---	---	0.504	6.19	7.62	5.84	2.35	3.01	---	---	---	1960
1961	---	---	---	---	0.805	5.88	8.00	5.96	3.06	3.02	---	---	---	1961
1962	---	---	---	---	2.26	6.72	8.22	6.04	1.89	2.97	---	---	---	1962
1963	---	---	---	---	1.98	7.88	4.30	5.59	1.90	3.71	---	---	---	1963
1964	---	---	---	---	1.50	7.40	5.38	5.62	1.96	2.52	---	---	---	1964
1965	---	---	---	---	0.716	7.08	4.22	6.23	2.21	3.17	---	---	---	1965
1966	---	---	---	---	0.882	6.42	6.14	5.72	2.64	4.18	---	---	---	1966
1967	---	---	---	---	2.47	4.06	6.47	6.29	4.69	4.17	---	---	---	1967
1968	---	---	---	---	3.00	6.37	8.20	5.75	3.89	4.20	---	---	---	1968
1969	---	---	---	---	2.04	8.01	6.32	5.79	2.94	2.79	---	---	---	1969
1970	---	---	0.397	0.855	1.06	5.44	4.09	6.27	3.36	2.63	---	---	3.01	1970
1971	---	---	0.563	8.72	1.28	6.10	7.33	7.10	3.79	2.31	---	---	4.63	1971
1972	---	---	1.36	0.572	2.50	7.81	8.97	6.88	4.09	2.76	---	---	4.37	1972
1973	---	---	0.916	0.717	1.80	5.92	6.56	6.77	4.27	2.95	---	---	3.74	1973
1974	---	---	0	3.32	1.17	6.31	7.76	7.18	5.18	3.74	---	---	4.31	1974
1975	---	---	0	1.34	1.81	2.91	5.57	6.28	3.59	2.76	---	---	3.04	1975
1976	---	---	1.61	1.27	2.73	8.66	7.47	5.16	2.07	2.61	---	---	3.95	1976
1977	---	---	0.133	0.513	2.48	4.69	6.96	4.10	1.84	1.55	---	---	2.79	1977
1978	---	---	0.569	1.44	0.562	2.18	6.05	5.71	2.12	2.54	---	---	2.65	1978
1979	---	---	0.742	0.443	0.482	5.37	7.67	6.71	3.70	2.60	---	---	3.47	1979
1980	---	---	0.238	2.15	3.22	5.47	8.62	5.00	3.09	2.32	---	---	3.77	1980
1981	---	---	0.607	0.313	0.795	7.76	7.96	5.54	3.43	2.92	---	---	3.66	1981
1982	---	---	0.340	0.650	1.58	6.38	7.13	7.02	3.76	3.32	---	---	3.77	1982
MEAN	---	---	0.575	1.72	1.54	5.84	6.57	5.97	2.98	2.99	---	---	3.63	MEAN

LOCATION - LAT 50 50 40 N DRAINAGE AREA, 2 450 km^2
LONG 111 55 10 W REGULATED

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	39.9 ON AUG 7 *	---	---	1954
1955	---	14.7 ON MAY 17	0 ON SEP 7 *	---	1955
1956	---	14.4 ON AUG 3	---	---	1956
1957	---	10.3 ON JUL 22	---	---	1957
1958	---	12.3 ON JUL 1	---	---	1958
1959	---	7.99 ON AUG 2	---	---	1959
1960	---	12.3 ON JUL 3	---	---	1960
1961	---	10.1 ON JUL 18	---	---	1961
1962	---	11.0 ON JUL 15	---	---	1962
1963	---	19.5 ON JUN 23	---	---	1963
1964	---	32.0 ON JUN 17	---	---	1964
1965	---	13.2 ON JUN 18	---	---	1965
1966	---	10.6 ON JUN 25	---	---	1966
1967	---	---	---	---	1967
1968	---	17.0 ON SEP 23	---	---	1968
1969	---	20.5 ON JUN 30	---	---	1969
1970	19.1 AT 13:30 MST ON JUN 14 *	17.3 ON JUN 14	0 B ON MAR 1	63 800	1970
1971	---	31.1 B ON APR 8	0 B ON MAR 1	98 000	1971
1972	---	11.0 ON JUL 25	0 B ON MAR 1	92 500	1972
1973	18.7 AT 17:00 MST ON JUN 16	17.2 ON JUN 16	0 B ON MAR 1	79 200	1973
1974	12.1 B AT 10:50 MST ON APR 8	9.43 ON JUN 27	0 B ON MAR 1	91 300	1974
1975	---	9.26A ON AUG 4	0 B ON MAR 1	64 200	1975
1976	10.4 AT 07:30 MST ON JUN 26	10.3 ON JUN 26	0 B ON MAR 1	83 500	1976
1977	9.12 AT 00:30 MST ON JUL 12	8.55 ON JUL 12	0.014B ON MAR 1	59 100	1977
1978	12.2 AT 19:50 MST ON AUG 24	11.9 ON AUG 24	0 B ON MAR 1	56 100	1978
1979	12.7 AT 07:30 MST ON AUG 4	12.4 ON AUG 4	0 B ON MAR 1	73 400	1979
1980	11.8 AT 15:00 MST ON MAY 26	11.4 ON MAY 26	0 B ON MAR 1	79 800	1980
1981	12.7 AT 02:40 MST ON JUN 15	12.5 ON JUN 15	0.131 ON MAY 5	77 500	1981
1982	14.0 AT 09:02 MST ON JUL 3	13.6 ON JUL 3	0 B ON MAR 1	79 900	1982
MEAN				76 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	7.37	6.73	8.40	1.41	4.53	---	---	---	1951
1952	---	---	---	---	---	11.3	9.08	6.72	4.17	---	---	---	---	1952
MEAN	---	---	---	---	---	9.34	7.91	7.56	2.79	4.53	---	---	---	MEAN

LOCATION - LAT 50 49 10 N DRAINAGE AREA, 2 620 km^2
LONG 111 49 40 W NATURAL FLOW

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	0 ON SEP 11 *	---	1951
1952	---	---	---	---	1952
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.002	0.044	0.020	---	---	---	---	0.004	0.004	---	---	---	1925
1926	---	0.003	0.020	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.003	0.020	0.096	0.001	0.036	0.016	0.002	0	---	---	---	1927
1928	---	---	0.003	---	---	---	---	---	---	---	---	---	---	1928
1930	---	0.049	0	0	0	---	---	---	---	---	---	---	---	1930
MEAN	---	0.018	0.014	0.013	0.048	0.001	0.036	0.016	0.003	0.002	---	---	---	MEAN

LOCATION - LAT 49 04 10 N DRAINAGE AREA, 20.5 km^2
LONG 110 26 30 W NATURAL FLOW

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0.314 ON APR 23	0B ON FEB 1 *	---	1925
1926	---	---	0B ON FEB 1	---	1926
1927	---	0.991E ON MAY 23 *	0B ON MAR 1	---	1927
1928	---	---	0B ON MAR 1	---	1928
1930	---	0.303B ON FEB 18	0B ON FEB 1	---	1930
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0.001	0.006	0.001	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.030	0.010	0.003	0.003	0	0	0.001	0.001	---	---	0.006	1978
1979	---	---	0.100	0.098	0.048	0	0.006	0	0	0	---	---	0.031	1979
1980	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1980
1981	---	0.001	0	0	0	0.005	0	0	0	0	---	---	0.001	1981
1982	---	0.002	0.029	0.077	0.034	0.268	0.010	0	0	0	---	---	0.052	1982
MEAN	---	0.002	0.027	0.032	0.014	0.040	0.002	0	0	0	---	---	0.015	MEAN

LOCATION - LAT 49 47 40 N DRAINAGE AREA, 20.5 km^2
LONG 110 11 03 W REGULATED

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0E ON JUN 1 *	---	1976
1977	0.076 AT 19:30 MST ON APR 5	0.037 ON APR 5	0B ON MAR 1	20.8	1977
1978	---	0.093B ON MAR 18	0B ON MAR 1	124	1978
1979	---	0.361B ON MAR 6	0 ON JUN 6	667	1979
1980	---	0.014B ON MAR 16	0B ON MAR 1	5.44	1980
1981	0.198 AT 11:10 MST ON JUN 14	0.132 ON JUN 14	0 ON MAR 1	12.6	1981
1982	2.11 AT 21:09 MST ON JUN 3 *	1.44 ON JUN 3 *	0B ON MAR 2	1 090	1982
				320	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	0.150	0.034	0	0	---	---	---	---	---	---	1913
1914	---	---	0.058	0.082	0.001	0	0	0	0	0.089	---	---	---	1914
MEAN	---	---	0.058	0.116	0.018	0	0	0	0	0.089	---	---	---	MEAN

LOCATION - LAT 49 51 30 N DRAINAGE AREA, 124 km^2
LONG 110 03 40 W NATURAL FLOW

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	0.447 ON APR 6	0 ON APR 28 *	---	1913
1914	---	0.963 ON OCT 8 *	0 ON MAR 1	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.231	0.307	---	---	---	1913
1914	---	---	---	---	1.42	0.917	0.387	0.191	0.168	0.439	---	---	0.588	1914
1915	---	---	---	---	1.31	---	---	---	---	---	---	---	---	1915
1975	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1975
1976	---	---	---	---	1.48	0.720	0.310	0.953	0.230	0.102	---	---	0.634	1976
1977	---	---	---	---	0.394	0.270	0.082	0.092	0.107	0.068	---	---	0.168	1977
1978	---	---	---	---	1.07	1.12	0.553	0.220	0.110	0.098	---	---	0.528	1978
1979	---	---	---	---	1.02	0.985	0.159	0.097	0.057	0.052	---	---	0.394	1979
1980	---	---	---	---	0.970	0.550	0.174	0.087	0.082	0.064	---	---	0.321	1980
1981	---	---	---	---	1.86	1.25	0.352	0.143	0.084	0.081	---	---	0.628	1981
1982	---	---	---	---	---	---	---	0.069	0.059	0.074	---	---	---	1982
MEAN	---	---	---	---	1.19	0.830	0.288	0.232	0.125	0.140	---	---	0.466	MEAN

LOCATION - LAT 49 38 04 N DRAINAGE AREA, 32.6 km²
LONG 114 31 12 W NATURAL FLOW

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	1.95 ON MAY 3	0.091 ON SEP 10	9 360	1914
1915	---	---	---	---	1915
1975	---	---	---	---	1975
1976	4.79 AT 14:40 MST ON AUG 8	2.81 ON AUG 8	0.062 ON OCT 15	10 100	1976
1977	0.750 AT 02:30 MST ON MAY 11	0.711 ON MAY 11	0.023 ON AUG 11 *	2 670	1977
1978	4.11 AT 01:00 MST ON JUN 6	2.86 ON JUN 6	0.068A ON OCT 31	8 390	1978
1979	3.58 AT 22:10 MST ON MAY 26	2.93 ON MAY 26	0.041 ON SEP 25	6 250	1979
1980	1.87 AT 03:30 MST ON MAY 27	1.66 ON MAY 27	0.033 ON SEP 11	5 100	1980
1981	8.89 AT 06:00 MST ON MAY 26 *	6.03 ON MAY 26 *	0.049 ON SEP 19	9 990	1981
1982	---	---	---	---	1982
				7 410	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	0	9.15	28.3	27.4	25.5	25.7	28.2	3.34	---	18.5	1976
1977	---	---	---	10.4	20.6	30.8	15.4	19.5	23.8	28.7	8.66	---	19.7	1977
1978	---	---	---	2.03	20.0	7.33	28.1	26.7	9.54	0.034	0	---	11.8	1978
1979	---	---	---	0	10.8	28.4	29.2	25.1	19.7	4.32	0	---	14.7	1979
1980	---	---	---	0	25.2	32.6	28.2	26.6	24.7	5.27	0	---	17.9	1980
1981	---	---	---	0.232	26.9	26.0	28.1	32.4	29.4	19.8	0.010	---	20.5	1981
1982	---	---	---	0	14.8	29.8	28.8	27.5	27.3	9.57	0	---	17.3	1982
MEAN	---	---	---	1.81	18.2	26.2	26.5	26.2	22.9	13.7	1.72	---	17.2	MEAN

LOCATION - LAT 50 35 20 N
LONG 112 55 25 W REGULATED SINCE 1976

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	30.6 ON OCT 14	0 ON APR 1 *	390 000	1976
1977	---	34.3 ON NOV 5	0 ON APR 1	416 000	1977
1978	---	30.6 ON JUL 10	0 ON APR 1	249 000	1978
1979	---	31.9 ON JUN 15	0 ON APR 1	311 000	1979
1980	---	36.1 ON MAY 22 *	0 ON APR 1	377 000	1980
1981	---	36.0 ON JUL 8	0 ON APR 1	431 000	1981
1982	---	33.0 ON MAY 28	0E ON APR 1	364 000	1982
				363 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	5.52	23.1	36.7	26.3	21.9	11.9	10.5	---	---	19.4	1976
1977	---	---	---	18.9	19.3	36.0	38.4	33.4	13.1	0.544	---	---	22.8	1977
1978	---	---	---	2.46	1.64	8.92	37.2	23.1	4.22	0	---	---	11.2	1978
1979	---	---	---	0	8.35	32.1	47.4	18.7	4.16	9.43	---	---	17.2	1979
1980	---	---	---	7.04	26.7	25.8	47.9	20.2	12.1	0	---	---	20.0	1980
1981	---	---	---	10.6	17.1	30.5	44.7	23.4	26.0	5.49	---	---	22.5	1981
1982	---	---	---	3.39	18.7	27.9	40.3	30.4	15.4	4.12	---	---	20.1	1982
MEAN	---	---	---	6.84	16.4	28.3	40.3	24.4	12.4	4.30	---	---	19.0	MEAN

LOCATION - LAT 50 15 15 N
LONG 112 49 00 W REGULATED

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	38.5 ON JUN 15	0E ON APR 1 *	360 000	1976
1977	---	46.4 ON APR 28	0 ON APR 1	422 000	1977
1978	---	38.2 ON JUL 18	0E ON APR 1	206 000	1978
1979	---	51.1 ON JUL 21 *	0 ON APR 1	319 000	1979
1980	---	49.7 ON JUN 26	0E ON APR 1	370 000	1980
1981	---	47.9 ON JUL 10	0 ON APR 1	417 000	1981
1982	---	46.9 ON JUN 27	0 ON APR 1	372 000	1982
				352 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.004	0.002	0.002	0.008	0.007	0.004	---	1968
1969	0.003	0.002	0.001	0.011	0.014	0.010	0.015	0.006	0.003	0.001	0.001	0.001	0.006	1969
1970	0	0	0	0	0.003	0.006	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1970
1971	0.001	0.001	0.001	0.002	0.003	0.006	0.004	0.001	0.001	0.001	0.001	0.001	0.002	1971
1972	0.001	0	0.001	0.003	0.012	0.014	0.005	0.002	0.002	0.001	0.001	0.001	0.004	1972
1973	0.001	0.001	0.001	0.002	0.010	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1973
1974	0.001	0.001	0.001	0.001	0.011	0.014	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1974
1975	0.001	0.001	0	0	0.009	0.013	0.009	0.003	0.001	0	0	0	0.003	1975
1976	---	0.001	0.001	0.002	---	0.005	0.003	0.005	0.005	0.002	0.001	0.001	---	1976
1977	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	---	---	---	1977
MEAN	0.001	0.001	0.001	0.002	0.008	0.009	0.006	0.003	0.002	0.002	0.002	0.001	0.003	MEAN

LOCATION - LAT 50 06 33 N
LONG 114 02 12 W   NATURAL FLOW

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.021 ON JUL 2	0.001 ON FEB 20	180	1969
1970	---	0.008 ON JUN 23	0 ON JAN 8 *	56.3	1970
1971	0.009 AT 01:00 MST ON JUN 18	0.009 ON JUN 18	0 E ON JAN 1	61.2	1971
1972	0.023 AT 00:30 MST ON MAY 30 *	0.023 ON MAY 29 *	0 E ON JAN 31	113	1972
1973	0.016 AT 23:00 MST ON MAY 31	0.016 ON MAY 31	0.001E ON JAN 1	98.3	1973
1974	0.020 AT 08:10 MST ON MAY 24	0.020 ON MAY 23	0.001E ON JAN 1	110	1974
1975	0.016 AT 20:00 MST ON MAY 26	0.016 ON MAY 26	0 E ON MAR 11	102	1975
1976	0.007 AT 13:30 MST ON AUG 25	0.007 ON AUG 22	0 ON FEB 16	---	1976
1977	---	0.001 ON JAN 1	0 ON JAN 27	---	1977
				103	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	13.5	4.50	---	1954
1955	2.58	2.72	3.28	13.8	46.4	91.0	39.9	14.3	8.40	9.19	4.20	2.87	19.9	1955
1956	2.74	2.16	2.30	11.0	33.4	33.9	17.8	15.5	14.6	8.80	9.11	4.20	13.0	1956
1957	2.44	2.49	3.79	17.0	55.8	30.8	26.2	33.9	26.2	19.2	13.9	7.39	20.0	1957
1958	5.88	4.04	3.04	23.3	52.5	59.0	53.2	8.43	8.90	5.65	3.28	1.63	19.1	1958
1959	2.69	2.30	2.65	13.1	36.8	88.3	29.6	11.3	19.2	21.6	13.1	5.92	20.5	1959
1960	4.02	2.85	3.56	8.38	38.8	81.2	43.7	14.8	8.77	7.73	4.99	3.24	18.5	1960
1961	2.30	1.50	2.88	7.21	23.9	22.3	27.3	21.8	8.99	17.1	12.1	6.05	12.9	1961
1962	2.81	2.87	4.02	30.5	56.0	43.0	43.2	25.9	23.6	12.6	10.4	3.81	21.7	1962
1963	2.25	2.43	2.91	20.5	43.4	33.5	22.7	8.21	9.30	6.66	3.81	2.33	13.2	1963
1964	2.20	2.45	2.34	5.40	54.0	92.2	23.8	16.2	59.3	31.6	11.1	5.37	25.4	1964
1965	2.26	2.62	3.15	18.5	64.0	106	97.8	23.7	66.1	25.7	10.8	7.61	35.8	1965
1966	2.90	3.67	4.13	9.94	65.5	35.7	56.9	58.0	25.9	15.9	10.7	5.84	24.8	1966
1967	3.07	2.33	3.45	7.90	45.7	85.4	20.7	10.9	4.98	4.73	3.09	2.10	16.2	1967
1968	1.45	1.13	11.7	16.2	36.4	36.2	39.2	36.8	15.5	9.61	4.83	2.95	17.7	1968
1969	2.34	1.45	3.45	22.3	29.5	25.5	67.0	105	20.4	16.3	12.4	3.54	26.0	1969
1970	1.93	2.73	3.16	7.62	40.5	44.3	13.6	8.17	5.72	4.10	2.32	1.92	11.4	1970
1971	1.60	1.68	1.87	22.6	42.0	102	76.1	14.9	11.4	12.5	6.15	3.27	24.8	1971
1972	2.47	2.23	2.37	7.73	62.5	84.7	43.2	16.3	22.9	37.4	11.0	5.80	24.9	1972
1973	4.46	3.42	3.43	14.9	84.0	46.9	21.8	13.2	8.87	10.4	5.41	4.21	18.5	1973
1974	2.71	2.96	3.18	24.3	75.1	52.4	30.4	17.1	18.7	11.6	6.26	3.92	20.8	1974
1975	2.00	1.53	1.46	4.32	29.7	30.0	24.3	8.09	6.99	4.84	2.76	2.49	9.93	1975
1976	1.91	1.98	1.87	14.9	32.2	29.5	18.7	45.7	17.2	9.64	5.03	4.05	15.3	1976
1977	2.15	2.48	1.93	8.18	86.5	61.0	46.3	43.8	48.8	26.1	5.98	4.48	28.3	1977
1978	3.01	2.63	2.70	19.4	52.4	71.2	49.3	21.8	42.8	19.2	8.13	4.54	24.8	1978
1979	1.78	1.92	4.19	9.69	40.7	40.1	24.6	14.0	7.42	6.62	3.54	2.81	13.2	1979
1980	1.80	2.08	2.04	21.2	31.8	203	60.2	28.0	34.6	17.6	12.8	6.69	35.0	1980
1981	3.57	2.64	3.55	8.92	35.8	33.1	37.5	30.4	14.3	10.4	7.51	2.16	15.9	1981
1982	1.32	1.26	1.52	4.83	45.3	46.2	111	36.2	29.9	39.9	12.5	5.11	28.2	1982
MEAN	2.59	2.38	3.21	14.1	47.9	61.0	41.6	25.1	21.1	15.1	7.96	4.17	20.6	MEAN

LOCATION - LAT 53 28 10 N DRAINAGE AREA, 2 560 km²
LONG 116 37 45 W NATURAL FLOW

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	250 AT 16:30 MST ON JUN 1	247 ON JUN 1	1.44 B ON JAN 2	628 000	1955
1956	---	88.6 ON JUN 6	1.61 B ON MAR 16	410 000	1956
1957	133 AT 16:00 MST ON MAY 1	131 ON MAY 2	1.64 B ON JAN 28	632 000	1957
1958	416 AT 11:30 MST ON JUN 29	371 ON JUN 29	1.10 B ON DEC 7	605 000	1958
1959	289 AT 14:30 MST ON JUN 27	267 ON JUN 27	1.02 B ON FEB 24	648 000	1959
1960	326 AT 16:00 MST ON JUN 26	264 ON JUN 26	2.21 B ON FEB 1	585 000	1960
1961	124 AT 20:00 MST ON JUL 30	118 ON JUL 30	1.16 B ON FEB 19	406 000	1961
1962	---	114 ON MAY 20	1.22 B ON MAR 3	684 000	1962
1963	---	77.3 ON APR 30	1.75 B ON JAN 15	417 000	1963
1964	---	214 ON JUN 19	1.66 B ON JAN 15	805 000	1964
1965	---	413 ON JUN 1	1.66 B ON JAN 11	1 130 000	1965
1966	---	250 ON MAY 11	2.78 B ON JAN 12	783 000	1966
1967	---	170 ON JUN 10	1.42 B ON JAN 26	511 000	1967
1968	---	80.1 ON JUL 23	0.481B ON JAN 31 *	561 000	1968
1969	---	906 ON AUG 6	1.33 B ON FEB 8	820 000	1969
1970	---	176 ON JUN 17	1.64 B ON JAN 19	359 000	1970
1971	---	270 ON JUN 10	1.36 ON JAN 18	781 000	1971
1972	---	345 ON JUN 26	2.15 B ON FEB 24	788 000	1972
1973	---	160 ON MAY 28	1.53 B ON NOV 3	585 000	1973
1974	103 AT 17:40 MST ON MAY 11	100 ON MAY 11	2.44 B ON DEC 31	656 000	1974
1975	68.5 AT 21:30 MST ON JUN 29	61.4 ON JUN 30	1.01 B ON NOV 20	313 000	1975
1976	114 AT 13:00 MST ON AUG 17	106 ON AUG 17	1.47 B ON MAR 7	482 000	1976
1977	212 AT 10:50 MST ON MAY 30	187 ON MAY 30	1.44 B ON JAN 8	893 000	1977
1978	235 AT 12:30 MST ON JUL 12	189 ON JUL 12	1.85 B ON MAR 8	783 000	1978
1979	102 AT 15:40 MST ON MAY 27	85.0 ON MAY 27	1.10 B ON JAN 19	416 000	1979
1980	1 260 AT 09:25 MST ON JUN 5 *	1 130 ON JUN 5 *	1.32 B ON JAN 10	1 110 000	1980
1981	133 AT 02:30 MST ON JUL 31	122 ON JUL 31	1.51 B ON DEC 31	502 000	1981
1982	484 AT 20:05 MST ON JUL 5	399 ON JUL 5	1.18 B ON FEB 25	889 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		649 000	MEAN

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	23.0	8.43	---	1954
1955	5.54	5.96	4.25	31.6	82.9	122	68.1	28.1	12.3	13.5	6.66	6.32	32.4	1955
1956	5.43	4.33	4.50	25.0	50.5	69.6	28.4	24.7	21.7	9.82	11.7	7.17	21.9	1956
1957	4.57	6.27	5.10	36.8	92.3	56.3	51.6	66.1	46.1	---	---	---	---	1957
MEAN	5.18	5.52	4.62	31.1	75.2	82.6	49.4	39.6	26.7	11.7	13.8	7.31	27.2	MEAN

LOCATION - LAT 53 36 00 N DRAINAGE AREA, 5 450 km²
LONG 116 20 00 W NATURAL FLOW

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	385 ON JUN 2 *	2.89B ON JAN 1 *	1 020 000	1955
1956	---	204 ON JUN 6	3.51B ON FEB 26	691 000	1956
1957	---	176 ON MAY 3	---	---	1957
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		856 000	MEAN

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	70.6	61.4	79.0	36.7	21.0	11.9	9.54	---	1968
1969	4.35	2.30	2.83	41.2	63.3	36.8	119	214	55.1	39.9	17.4	10.9	71.8	1969
1970	6.55	5.87	7.54	25.1	106	97.9	46.4	28.0	14.6	10.5	---	---	41.9	1970
1971	---	---	6.51	88.0	111	266	304	38.4	28.5	43.9	---	---	111	1971
1972	---	---	4.85	27.2	181	249	108	44.0	44.5	79.0	---	---	92.0	1972
1973	---	---	11.0	81.0	170	93.8	42.7	40.9	24.0	31.6	---	---	61.8	1973
1974	---	---	7.91	106	211	76.6	76.9	35.6	32.6	23.4	---	---	71.2	1974
1975	---	---	3.59	19.8	72.0	60.7	63.7	19.5	15.8	10.9	---	---	33.2	1975
1976	---	---	5.32	59.8	52.3	47.5	40.9	86.9	34.1	18.5	---	---	43.1	1976
1977	---	---	7.06	31.0	246	131	87.3	96.4	136	67.7	---	---	100	1977
1978	---	---	12.8	56.0	125	173	114	46.9	100	45.3	---	---	83.9	1978
1979	---	---	13.8	34.4	110	102	87.3	34.1	15.6	16.4	---	---	51.7	1979
1980	---	---	6.30	75.6	73.1	443	157	69.5	92.1	43.4	---	---	119	1980
1981	---	---	13.4	33.3	94.5	81.4	55.3	56.9	22.4	16.9	---	---	46.8	1981
1982	---	---	5.22	24.8	118	79.3	313	81.7	69.5	80.3	---	---	96.9	1982
MEAN	5.45	4.09	7.72	50.2	124	134	112	64.8	48.1	36.6	14.7	10.2	73.2	MEAN

LOCATION - LAT 54 00 46 N DRAINAGE AREA, 9 100 km^2
LONG 115 50 18 W NATURAL FLOW

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	140 ON AUG 8	---	---	1968
1969	---	1 430E ON AUG 7	2.27B ON MAR 1 *	1 520 000	1969
1970	518 AT 18:00 MST ON JUN 17	371 ON JUN 18	6.09B ON MAR 1	887 000	1970
1971	886 AT 03:00 MST ON JUL 13	858 ON JUL 12	5.83B ON MAR 12	2 340 000	1971
1972	1 450A AT 01:00 MST ON JUN 27	1 220A ON JUN 27	4.59B ON MAR 19	1 950 000	1972
1973	292 AT 14:00 MST ON MAY 29	280 ON MAY 29	10.6 B ON MAR 1	1 310 000	1973
1974	388 AT 12:30 MST ON MAY 12	379 ON MAY 12	7.48B ON MAR 12	1 510 000	1974
1975	250 AT 15:00 MST ON JUN 30	239 ON JUN 30	3.23B ON MAR 5	704 000	1975
1976	203 AT 11:00 MST ON AUG 18	195 ON AUG 18	4.96B ON MAR 1	912 000	1976
1977	697 AT 00:30 MST ON MAY 31	609 ON MAY 31	6.29B ON MAR 22	2 120 000	1977
1978	---	388 ON JUN 16	8.50B ON MAR 3	1 780 000	1978
1979	227 AT 15:45 MST ON JUL 13	215 ON JUL 14	6.40B ON MAR 1	1 090 000	1979
1980	1 940 AT 10:35 MST ON JUN 6 *	1 780 ON JUN 6 *	5.58B ON MAR 5	2 520 000	1980
1981	---	215E ON AUG 1	8.80B ON MAR 9	989 000	1981
1982	1 230 AT 16:15 MST ON JUL 6	1 170 ON JUL 6	4.20B ON MAR 1	2 050 000	1982
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS; E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	1 550 000	MEAN

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	211	60.7	17.7	20.8	16.2	10.3	5.48	---	1914
1915	3.46	3.06	3.70	15.7	32.0	204	275	52.2	30.1	29.7	13.9	4.81	56.0	1915
1916	2.66	2.07	6.20	29.3	41.5	89.6	97.3	45.5	28.9	28.5	15.2	7.45	32.9	1916
1917	5.04	3.03	2.44	23.5	208	121	46.7	29.1	37.4	29.2	16.8	12.2	44.8	1917
1918	12.7	10.9	6.21	54.5	80.7	88.2	67.5	26.4	19.3	12.8	6.18	5.52	32.7	1918
1919	4.46	3.15	2.25	16.0	19.5	34.2	17.9	19.6	75.5	22.4	11.4	6.48	19.4	1919
1920	7.11	4.03	4.06	11.1	191	124	58.0	39.0	31.6	21.2	10.0	4.76	42.3	1920
1921	2.78	2.62	4.11	56.0	149	63.0	30.3	25.0	18.1	13.0	8.47	4.18	31.6	1921
1922	1.82	0.992	1.12	34.6	113	30.8	27.0	18.8	12.5	9.27	5.23	2.10	21.6	1922
1923	1.11	0.227	0.263	20.4	28.3	125	92.8	64.7	29.4	24.5	12.6	---	---	1923
1924	---	---	---	16.9	111	86.3	38.9	67.7	51.0	35.2	---	---	---	1924
1925	---	---	6.67	77.8	41.5	112	33.3	141	138	---	---	---	---	1925
1926	---	---	15.7	54.6	25.7	48.3	28.6	38.6	199	105	---	---	---	1926
1927	---	---	4.72	44.5	111	131	124	55.8	59.3	34.8	---	---	---	1927
1928	---	---	---	---	---	---	---	45.8	24.8	20.8	---	---	---	1928
1929	---	---	11.2	29.7	76.0	59.7	34.4	16.4	22.3	32.7	---	---	---	1929
1930	---	---	4.52	66.2	94.0	89.0	52.3	21.9	18.2	17.0	12.4	6.28	---	1930
1931	2.74	2.50	2.99	15.2	41.3	---	---	---	---	---	---	---	---	1931
1954	---	---	---	---	---	---	---	---	---	---	---	---	---	1954
1957	---	---	---	---	---	---	---	---	---	36.0	24.1	15.3	---	1957
1958	9.96	9.96	9.46	46.6	107	102	138	25.2	14.1	9.85	5.69	3.28	40.3	1958
1959	3.80	4.16	5.52	28.0	64.9	144	51.6	21.1	33.3	41.3	21.9	12.7	36.0	1959
1960	7.97	7.02	6.99	23.9	101	132	88.9	21.2	17.5	16.9	9.15	6.70	36.6	1960
1961	5.73	4.45	5.17	19.0	57.8	32.4	44.6	36.1	14.0	37.0	31.4	11.0	25.1	1961
1962	5.54	7.85	6.15	63.9	103	60.9	66.1	42.9	47.3	26.0	20.6	8.47	38.3	1962
1963	4.77	3.82	3.27	78.7	96.6	49.7	31.1	13.5	16.6	11.9	8.73	4.20	27.0	1963
1964	2.65	3.25	3.41	9.52	114	125	46.3	40.2	124	52.8	17.6	9.48	45.6	1964
1965	6.22	5.81	7.58	26.7	140	203	236	49.3	112	47.2	16.7	11.6	72.2	1965
1966	6.37	5.74	5.48	45.1	134	63.5	117	141	61.7	39.8	21.5	9.83	54.7	1966
1967	6.00	8.51	6.31	13.9	92.9	136	35.3	24.7	9.37	10.1	7.23	4.03	29.5	1967
1968	3.92	5.34	17.1	33.4	64.8	61.5	60.8	74.6	32.1	18.3	12.0	9.63	32.9	1968
1969	---	---	5.95	39.9	60.7	38.2	118	176	44.4	35.1	---	---	---	1969
1970	---	---	8.68	23.1	69.0	78.3	31.6	17.6	11.2	9.24	4.60	4.95	---	1970
1971	4.10	4.85	5.05	63.1	78.9	211	211	33.3	25.8	31.3	16.7	9.77	58.1	1971
1972	6.53	5.88	5.94	24.0	154	213	77.3	34.2	38.9	66.9	22.8	14.1	55.4	1972
1973	8.98	9.24	9.31	60.2	156	77.8	35.3	32.1	18.5	22.3	12.6	9.06	37.8	1973
1974	6.71	6.71	6.39	75.6	176	70.2	57.9	31.9	28.5	19.9	8.50	6.76	41.5	1974
1975	4.73	3.88	3.67	15.4	57.7	49.9	45.6	14.8	11.7	8.81	5.30	5.30	19.0	1975
1976	5.30	4.62	4.59	40.3	44.9	41.0	31.7	75.4	27.4	15.9	8.44	5.66	25.5	1976
1977	4.12	5.34	4.90	20.3	202	101	70.6	81.8	109	52.0	10.6	9.14	56.3	1977
1978	7.20	5.38	7.61	44.9	111	142	91.4	38.9	79.9	36.0	15.0	10.6	49.3	1978
1979	4.41	5.00	9.91	26.7	74.6	69.4	59.6	26.6	12.4	14.1	5.54	5.77	26.3	1979
1980	5.21	5.00	4.52	49.9	64.0	400	130	56.9	73.1	33.0	15.5	12.8	70.5	1980
1981	8.56	4.92	9.43	22.6	75.8	62.7	51.6	42.0	19.0	13.9	11.4	4.13	27.3	1981
1982	2.31	2.80	3.83	13.7	92.4	73.3	261	68.3	56.0	64.9	21.9	11.2	56.5	1982
MEAN	5.30	4.91	6.06	36.0	94.1	106	79.8	46.3	44.1	29.1	13.3	7.85	40.1	MEAN

LOCATION - LAT 53 39 15 N DRAINAGE AREA, 6 310 km^2
LONG 116 16 50 W NATURAL FLOW

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	583 ON JUN 9	---	---	1914
1915	---	954 ON JUN 27	2.29 B ON FEB 19	1 760 000	1915
1916	---	294 ON JUL 5	1.70 B ON MAR 2	1 040 000	1916
1917	---	470 ON MAY 22	2.12 B ON FEB 21	1 410 000	1917
1918	---	210 ON MAY 31	3.91 B ON NOV 28	1 030 000	1918
1919	---	317 ON SEP 8	1.59 B ON MAR 18	612 000	1919
1920	---	467 ON MAY 9	2.12 B ON DEC 28	1 340 000	1920
1921	---	264 ON MAY 15	1.90 B ON FEB 16	995 000	1921
1922	---	248 ON MAY 2	0.566B ON FEB 17	681 000	1922
1923	---	255 ON JUN 28	0.096B ON MAR 3 *	---	1923
1924	---	203 ON MAY 4	---	---	1924
1925	---	515 ON AUG 17	---	---	1925
1926	---	326 ON SEP 8	---	---	1926
1927	---	263 B ON APR 29	---	---	1927
1928	---	521 ON JUL 6	---	---	1928
1929	---	136 ON MAY 17	---	---	1929
1930	---	191 ON JUN 1	---	---	1930
1931	---	63.1 ON MAY 8	1.50 B ON MAR 11	---	1931
1954	2 270 ON JUN 8 *	---	---	---	1954
1957	---	---	---	---	1957
1958	895A AT 17:00 MST ON JUN 29	660 A ON JUN 30	2.38 B ON NOV 28	1 270 000	1958
1959	419 AT 02:00 MST ON JUN 28	374 ON JUN 28	1.70 B ON FEB 22	1 140 000	1959
1960	473 AT 19:00 MST ON JUN 26	408 ON JUN 27	2.97 B ON MAR 21	1 160 000	1960
1961	198 AT 04:00 MST ON JUL 31	186 ON JUL 31	3.40 B ON MAR 18	792 000	1961
1962	297 AT 18:00 MST ON MAY 20	241 ON MAY 21	4.25 B ON JAN 28	1 210 000	1962
1963	---	272 ON APR 27	2.27 B ON MAR 22	851 000	1963
1964	399 AT 02:00 MST ON MAY 8	371 ON MAY 8	2.46 B ON FEB 3	1 440 000	1964
1965	954 AT 11:00 MST ON JUN 1	838 ON JUN 1	4.13 B ON APR 3	2 280 000	1965
1966	569 AT 12:00 MST ON MAY 11	481 ON JUL 5	5.10 B ON FEB 14	1 730 000	1966
1967	294 AT 15:00 MST ON JUN 10	274 ON JUN 10	3.09 B ON DEC 14	931 000	1967
1968	133 AT 10:34 MST ON AUG 7	129 ON AUG 7	1.70 B ON FEB 16	1 040 000	1968
1969	2 020 AT 02:02 MST ON AUG 7	1 400 ON AUG 7	---	---	1969
1970	428 AT 07:30 MST ON JUN 17	368 ON JUN 17	---	---	1970
1971	623 AT 16:30 MST ON JUL 12	617 ON JUL 12	3.34 B ON JAN 23	1 830 000	1971
1972	1 180 AT 17:00 MST ON JUN 26	1 040 ON JUN 26	5.38 B ON FEB 4	1 750 000	1972
1973	331 AT 23:40 MST ON MAY 28	292 ON MAY 29	7.93 B ON JAN 25	1 190 000	1973
1974	340 AT 22:50 MST ON MAY 11	326 ON MAY 12	4.84 B ON JAN 26	1 310 000	1974
1975	190 AT 03:00 MST ON JUN 30	177 ON JUN 30	3.57 B ON MAR 30	598 000	1975
1976	196 AT 21:10 MST ON AUG 17	175 ON AUG 18	3.57 B ON DEC 8	806 000	1976
1977	561 AT 14:30 MST ON MAY 30	518 ON MAY 30	3.40 B ON JAN 10	1 780 000	1977
1978	374 AT 20:20 MST ON JUL 12	314 ON JUN 16	4.19 B ON FEB 13	1 550 000	1978
1979	154 AT 05:20 MST ON JUL 13	151 ON JUL 13	2.90 B ON JAN 22	831 000	1979
1980	1 980 AT 18:15 MST ON JUN 5	1 710 ON JUN 5 *	4.16 B ON MAR 6	2 230 000	1980
1981	192 AT 07:20 MST ON JUL 31	179 ON JUL 31	2.27 B ON DEC 31	862 000	1981
1982	1 100 AT 03:35 MST ON JUL 6	986 ON JUL 6	2.08 B ON JAN 6	1 780 000	1982
MEAN				1 270 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.414	0.233	0.179	---	---	---	1908
1909	---	---	---	---	1.01	0.841	0.524	0.270	0.115	0.105	---	---	---	1909
1910	---	---	---	0.103	0.070	0.016	0	0	0.008	0.040	---	---	---	1910
1911	---	---	---	0.149	0.208	0.128	0.052	0.307	0.721	0.344	---	---	---	1911
1912	---	---	---	0.361	0.201	0.221	0.273	0.154	0.115	0.083	---	---	---	1912
1913	---	---	---	---	0.181	0.246	0.124	0.068	0.035	0.050	---	---	---	1913
1914	---	---	---	0.196	0.050	0.028	0.001	0.006	0.008	0.118	---	---	---	1914
1915	---	---	---	0.185	0.516	0.986	0.940	0.595	0.258	0.217	---	---	---	1915
1916	---	---	0.757	0.211	0.277	0.799	0.413	0.194	0.235	0.202	---	---	---	1916
1917	---	---	---	0.220	1.53	2.08	0.564	0.242	0.163	0.143	---	---	---	1917
1918	---	---	---	0.099	0.038	0.026	0.002	0.001	0.012	0.014	---	---	---	1918
1919	---	---	0.051	0.099	0.025	0.001	---	---	---	---	---	---	---	1919
1922	---	---	0.050	0.223	0.228	0.041	0.076	0.003	0	0	---	---	---	1922
1923	---	---	0.057	0.161	0.284	3.87	0.652	0.182	0.069	0.066	---	---	---	1923
MEAN	---	---	0.229	0.182	0.355	0.714	0.302	0.188	0.152	0.120	---	---	---	MEAN

LOCATION - LAT 49 56 00 N   DRAINAGE AREA, 102 km^2
LONG 113 45 00 W   NATURAL FLOW

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	2.89 ON MAY 24	---	---	1909
1910	---	0.198 ON MAY 10	0 ON JUN 19 *	---	1910
1911	---	1.49 ON SEP 5	---	---	1911
1912	---	0.634 ON JUL 8	---	---	1912
1913	---	0.736 ON JUN 25	---	---	1913
1914	---	---	0 ON JUN 17	---	1914
1915	---	4.96 ON AUG 20	---	---	1915
1916	---	1.36 B ON MAR 10	---	---	1916
1917	---	11.2 ON MAY 29	---	---	1917
1918	---	---	0 ON JUL 11	---	1918
1919	---	0.425E ON APR 1	0 ON MAR 1	---	1919
1922	---	1.13 ON APR 28	0B ON MAR 1	---	1922
1923	---	23.7 ON JUN 1 *	---	---	1923
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAP TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	0.080	0.078	0.278	0.099	0.078	0.016	0.027	---	---	---	1966
1967	---	---	0.263R	0.232R	2.10 R	1.70 R	0.226	0.123	0.059	0.070	---	---	0.595R	1967
1968	---	---	0.059	0.112	0.093	0.106	0.028	0.012	0.036	0.048	---	---	0.061	1968
1969	---	---	0.917	0.798	0.357	0.393	0.490	0.105	0.065	0.083	---	---	0.401	1969
1970	---	---	0.054	0.107	0.106	0.086	0.018	0	0	0	---	---	0.046	1970
1971	---	---	0.089	0.234	0.070	0.122	0.013	0	0	0	---	---	0.065	1971
1972	---	---	0.591	0.465	0.590	0.351	0.102	0.044	0.034	0.082	---	---	0.282	1972
1973	---	---	0.069	0.088	0.104	0.108	0.008	0	0	0	---	---	0.047	1973
1974	---	---	0.152	0.212	0.319	0.284	0.083	0.112	0.019	0.022	---	---	0.150	1974
1975	---	---	0.008	0.336	0.528	0.565	0.348	0.126	0.057	0.055	---	---	0.252	1975
1976	---	---	0.191	0.134	0.062	0.044	0.007	0.182	0.054	0.031	---	---	0.088	1976
1977	---	---	0.010	0.087	0.020	0.002	0	0	0	0	---	---	0.015	1977
1978	---	---	0.660	0.173	0.347	0.437	0.197	0.050	0.112	0.067	---	---	0.255	1978
1979	---	---	0.137	0.264	0.492	0.224	0.046	0.016	0.005	0.009	---	---	0.149	1979
1980	---	---	0.055	0.083	0.021	0.028	0	0	0	0	---	---	0.023	1980
1981	---	---	0.021	0.007	0.283	0.253	0.142	0.049	0.021	0.044	---	---	0.100	1981
1982	---	---	0.044	0.140	0.020	0.036	0.008	0	0	0	---	---	0.031	1982
MEAN	---	---	0.208R	0.209R	0.328R	0.295R	0.107	0.053	0.028	0.032	---	---	0.160	MEAN

LOCATION - LAT 49 57 15 N
LONG 113 39 43 W
DRAINAGE AREA, 130 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1.12 AT 21:00 MST ON AUG 27	0.629 ON JUL 3	---	---	1966
1967	4.98 R AT 01:45 MST ON MAY 18 *	3.34 R ON MAY 17	0.014RB ON MAR 13	12 600R	1967
1968	0.320 AT 12:14 MST ON APR 12	0.221 ON JUN 8	0.006B ON MAR 18	1 300	1968
1969	---	4.93 B ON MAR 18 *	0.014B ON MAR 1	8 480	1969
1970	0.719 AT 11:00 MST ON JUN 14	0.552 ON JUN 14	0 ON AUG 2 *	978	1970
1971	---	0.408B ON APR 6	0 ON JUL 17	1 380	1971
1972	4.45 AT 06:30 MST ON JUN 10	2.55 B ON MAR 11	0 B ON MAR 1	5 970	1972
1973	0.481 AT 07:20 MST ON MAY 26	0.365 ON MAY 26	0 ON JUL 12	990	1973
1974	1.87 AT 14:40 MST ON APR 27	1.23 B ON MAR 28	0.001B ON MAR 9	3 170	1974
1975	2.49 AT 14:00 MST ON JUN 20	2.03 ON JUN 20	0 B ON MAR 1	5 330	1975
1976	2.89 B AT 03:40 MST ON MAR 18	1.75 B ON MAR 17	0 ON JUL 19	1 870	1976
1977	1.29 B AT 10:50 MST ON APR 5	0.476B ON APR 3	0 ON JUN 6	315	1977
1978	---	2.41 B ON MAR 20	0.014 ON OCT 11	5 410	1978
1979	0.611 AT 10:20 MST ON MAY 16	0.578 ON MAY 19	0 B ON MAR 1	3 150	1979
1980	0.925 AT 08:35 MST ON APR 14	0.453 ON APR 14	0 ON APR 30	493	1980
1981	1.19 AT 14:00 MST ON JUN 14	0.931 ON JUN 14	0.004 ON APR 4	2 120	1981
1982	1.49 AT 09:30 MST ON APR 14	0.705 ON APR 14	0 B ON MAR 1	651	1982
				3 390R	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.454	---	---	---	1975
1976	---	---	0.008	3.02	2.58	1.99	1.10	3.80	1.80	0.997	---	---	1.91	1976
1977	---	---	0.004	0.618	1.85	7.47	2.29	0.220	0.009	0.021	---	---	1.55	1977
1978	---	---	0.003	0.045	2.07	1.67	0.141	0.013	0.786	0.932	---	---	0.706	1978
1979	---	---	0.001	0.007	7.83	6.11	0.635	0.038	0.023	0.058	---	---	1.83	1979
1980	---	---	0.004	0.163	0.013	0.002	0	0.001	0	0	---	---	0.022	1980
1981	---	---	0	0.027	1.10	0.183	0.037	0.018	0.001	0	---	---	0.172	1981
1982	---	---	0.002	0.031	0.436	0.048	0.005	0	0	0.003	---	---	0.066	1982
MEAN	---	---	0.003	0.559	2.27	2.50	0.601	0.584	0.374	0.308	---	---	0.894	MEAN

LOCATION - LAT 58 46 15 N DRAINAGE AREA, 507 km³
LONG 117 23 05 W NATURAL FLOW

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	9.71 AT 17:30 MST ON AUG 21	9.60 ON AUG 21	0.004B ON MAR 1	40 400	1976
1977	19.5 AT 03:50 MST ON JUN 11 *	19.3 ON JUN 11 *	0 B ON MAR 20 *	32 700	1977
1978	5.21 AT 09:00 MST ON MAY 27	5.10 ON MAY 27	0.002B ON MAR 23	14 900	1978
1979	18.7 AT 17:00 MST ON MAY 30	18.5 ON MAY 30	0.001B ON MAR 1	38 800	1979
1980	0.715 AT 15:00 MST ON APR 24	0.695 ON APR 24	0 B ON MAR 1	475	1980
1981	2.93 AT 15:00 MST ON MAY 4	2.71 ON MAY 5	0 B ON MAR 1	3 630	1981
1982	0.856 AT 21:30 MST ON MAY 27	0.619 ON MAY 21	0 ON JUL 21	1 400	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 900	MEAN

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	1.13	1.26	1.00	2.99	2.29	0.809	---	---	---	1962
1963	---	---	---	19.7	5.04	1.66	7.68	1.16	0.465	0.395	---	---	---	1963
1964	---	---	0	5.41	15.2	8.14	2.00	0.486	6.27	2.99	---	---	---	1964
1965	---	---	0.487	44.3	18.5	30.3	44.7	3.50	9.30	3.62	---	---	---	1965
1966	---	---	3.07	26.9	7.00	4.90	8.11	5.78	1.14	1.81	---	---	---	1966
1967	---	---	0	18.8	11.4	10.6	1.84	0.396	0.002	0.021	---	---	---	1967
1968	---	---	1.43	1.69	0.720	0.899	2.06	2.22	1.81	1.85	---	---	---	1968
1969	---	---	0.256	19.2	2.82	1.40	16.5	2.71	2.47	2.35	---	---	---	1969
1970	---	---	0.602	17.5	3.89	4.71	6.04	1.18	0.275	0.879	---	---	---	1970
1971	---	---	0.381	39.6	5.55	6.41	13.3	1.21	0.525	0.445	0.602	0.380	---	1971
1972	0.283	0.255	1.24	15.5	4.65	12.0	6.61	1.24	0.688	1.09	---	---	---	1972
1973	---	---	0.792	27.4	7.98	3.18	5.42	12.5	2.57	1.52	---	---	---	1973
1974	---	---	0.504	40.4	21.0	5.24	6.54	1.30	0.514	0.817	0.603	0.269	---	1974
1975	0.202	0.202	0.243	10.5	7.49	2.02	1.23	0.322	0.163	0.222	0.263	0.281	1.93	1975
1976	0.450	0.290	0.292	6.77	1.36	0.838	0.273	4.38	0.985	0.510	0.408	0.347	1.41	1976
1977	0.332	0.335	0.356	7.61	15.3	5.38	1.01	0.974	2.55	1.71	0.656	0.347	3.06	1977
1978	0.292	0.319	3.23	10.9	5.71	7.20	1.32	0.456	2.00	1.36	0.753	0.381	2.82	1978
1979	0.114	0.093	3.26	8.05	3.81	1.40	1.40	0.367	0.103	0.197	0.299	0.258	1.62	1979
1980	0.195	0.167	0.192	13.7	3.65	18.5	13.9	6.74	9.56	3.10	1.72	0.705	5.99	1980
1981	0.544	0.498	10.4	4.41	16.5	3.86	10.6	12.1	1.19	1.22	1.17	0.359	5.31	1981
1982	0.264	0.341	0.362	21.9	5.90	3.38	36.9	4.27	3.07	3.79	1.07	0.524	6.86	1982
MEAN	0.297	0.278	1.43	18.0	7.84	6.35	8.97	3.16	2.28	1.46	0.754	0.385	3.63	MEAN

LOCATION - LAT 52 19 08 N DRAINAGE AREA, 1 910 km³
LONG 114 20 33 W NATURAL FLOW

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	15.6 ON AUG 8	---	---	1962
1963	---	39.4 ON JUL 20	---	---	1963
1964	---	84.1 ON MAY 9	0 ON FEB 27 *	---	1964
1965	---	136 A ON JUL 14	---	---	1965
1966	---	133 B ON APR 2	---	---	1966
1967	---	48.1 ON APR 26	0 B ON MAR 1	---	1967
1968	---	6.20 ON JUL 27	0 ON MAY 25	---	1968
1969	---	108 B ON APR 9	---	---	1969
1970	---	51.0 B ON APR 8	---	---	1970
1971	---	100 ON APR 19	---	---	1971
1972	---	76.5 ON JUN 28	---	---	1972
1973	---	54.1 ON AUG 28	---	---	1973
1974	148 A AT 17:30 MST ON APR 19	133 A ON APR 19	---	---	1974
1975	---	39.4 B ON APR 21	0.051A ON SEP 23	60 700	1975
1976	56.6B ON APR 11	48.4 B ON APR 11	0.040 ON JUL 12	88 500	1976
1977	---	39.1 B ON APR 8	0.255B ON NOV 22	96 500	1977
1978	---	32.8 B ON MAR 31	0.[illegible]B ON DEC 31	89 000	1978
1979	---	31.5 B ON APR 22	0.0[illegible]B ON SEP 12	51 000	1979
1980	---	66.3 ON JUN 7	0.160B ON JAN 26	189 000	1980
1981	71.8 AT 23:40 MST ON MAY 9	69.1 ON MAY 9	0.160B ON DEC 31	168 000	1981
1982	160 AT 07:00 MST ON JUL 8 *	153 ON JUL 8 *	0.150B ON JAN 4	216 000	1982
				114 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.083	2.96	0.158	0.468	0.254	0.082	0.057	0.022	---	---	0.503	1972
1973	---	---	0.828	1.79	0.358	1.62	1.63	3.36	0.339	0.176	---	---	1.26	1973
1974	---	---	0.029	30.4	10.1	1.16	0.753	0.203	0.044	0.038	---	---	5.28	1974
1975	---	---	0.006	4.49	3.37	0.160	0.105	0.017	0.013	0.047	---	---	1.02	1975
1976	---	---	0.088	3.86	0.057	0.065	0.027	0.008	0.006	0.001	---	---	0.504	1976
1977	---	---	0.001	0.035	0.641	0.007	0.001	0.001	0.001	0.001	---	---	0.087	1977
1978	---	---	1.08	1.80	0.129	0.108	0.084	0.068	0.041	0.179	---	---	0.532	1978
1979	---	---	2.36	0.976	0.294	0.041	0.027	0.007	0.006	0.005	---	---	0.467	1979
1980	---	---	0.007	2.36	0.135	0.796	0.415	0.454	0.084	0.041	---	---	0.530	1980
1981	---	---	1.14	0.253	0.055	0.039	0.020	0.005	0	0	---	---	0.191	1981
1982	---	---	0.004	1.21	0.113	0.042	0.958	0.049	0.024	0.118	---	---	0.314	1982
MEAN	---	---	0.511	4.56	1.40	0.410	0.389	0.387	0.129	0.057	---	---	0.972	MEAN

LOCATION - LAT 52 33 10 N LONG 112 24 40 W DRAINAGE AREA, 1 500 km^2 NATURAL FLOW

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	10.1 B ON APR 9	0 B ON MAR 1 *	10 600	1972
1973	17.7 AT 01:00 MST ON AUG 11	14.9 ON AUG 11	0 B ON MAR 1	26 700	1973
1974	183 ON APR 23 *	124 ON APR 24 *	0.016 ON SEP 28	112 000	1974
1975	39.6 B AT 04:00 MST ON APR 26	33.4 B ON APR 26	0.006B ON MAR 1	21 600	1975
1976	29.2 AT 01:00 MST ON APR 9	24.7 ON APR 9	0 ON JUL 29	10 700	1976
1977	4.87 AT 04:30 MST ON MAY 17	4.42 ON MAY 17	0 B ON MAR 1	1 840	1977
1978	12.0 B AT 06:00 MST ON APR 1	9.00B ON APR 1	0 ON AUG 1	11 300	1978
1979	9.87B AT 09:00 MST ON MAR 18	8.73B ON MAR 17	0.073B ON MAR 1	9 880	1979
1980	10.8 B AT 10:30 MST ON APR 12	8.49B ON APR 12	0.003B ON MAR 1	11 200	1980
1981	3.04B AT 12:40 MST ON MAR 15	2.80B ON MAR 15	0 ON AUG 12	6 030	1981
1982	---	5.00B ON APR 19	0 B ON MAR 1	6 640	1982
				26 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	1.20 R	0.235R	0.055R	0 R	0.008R	0.014R	0 R	0 R	---	---	0.191R	1979
1980	---	---	0.032	3.79	0.089	0.029	0.049	0.346	0.018	0.002	---	---	0.535	1980
1981	---	---	0.751	0.033	0.094	0.033	0.014	0.308	0	0.001	---	---	0.156	1981
1982	---	---	0.288	0.816	0.041	0.024	0.352	0.005	0.025	0.001	---	---	0.193	1982
MEAN	---	---	0.568R	1.22 R	0.070R	0.022R	0.106R	0.168R	0.011R	0.001R	---	---	0.269	MEAN

LOCATION - LAT 51 28 17 N LONG 112 42 59 W DRAINAGE AREA, 1 140 km^2 NATURAL FLOW

R - REVISED SINCE JAN 1980

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	5.06BR ON MAR 14	0R ON JUN 1 *	4 040R	1979
1980	---	20.9 B ON APR 14 *	0B ON MAR 1	11 300	1980
1981	8.83 AT 20:00 MST ON AUG 1 *	4.20 ON AUG 1	0 ON JUL 15	3 300	1981
1982	7.25 AT 18:34 MST ON APR 13	6.07 ON APR 13	0B ON MAR 1	4 090	1982
MEAN				5 680R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.012	0.007	0.007	0.006	0.006	0.005	---	1910
1911	---	---	---	0.528	0.032	0.137	0.104	0.042	0.238	0.024	---	---	---	1911
1912	---	---	---	---	0.328	0.030	0.020	0.013	0.015	0.017	---	---	---	1912
1913	---	---	---	1.39	0.092	0.039	0.019	0.013	0.009	0.009	---	---	---	1913
1914	---	---	---	1.04	0.031	0.014	0.018	0.010	0.008	0.015	---	---	---	1914
1949	---	---	---	---	---	---	---	---	---	0.004	0.006	---	---	1949
1950	---	---	0	0.544	0.015	0.006	0.006	0.006	0.006	0.007	0.008	---	0.072	1950
1951	---	---	0	2.92	1.09	0.067	0.015	0.116	0.056	0.020	---	---	0.581	1951
1952	---	---	0.062	9.34	0.281	0.030	0.022	0.019	0.017	0.012	---	---	1.20	1952
1953	---	---	0.013	0.738	1.31	1.28	0.083	0.112	0.036	0.017	---	---	0.446	1953
1954	---	---	0.014	0.830	0.193	0.057	0.027	0.016	0.016	0.032	---	---	0.146	1954
1955	---	---	0.120	5.47	1.26	0.058	0.402	0.111	0.030	0.026	---	---	0.933	1955
1956	---	---	0.034	0.967	0.388	0.100	0.075	0.024	0.020	0.018	---	---	0.201	1956
1957	---	---	0.026	2.28	0.591	0.041	0.023	0.015	0.010	0.011	---	---	0.370	1957
1958	---	---	0.262	1.61	0.037	0.011	0.008	0.012	0.009	0.008	---	---	0.241	1958
1959	---	---	0.624	1.16	0.078	0.025	0.029	0.017	0.013	0.012	---	---	0.243	1959
1960	---	---	2.10	0.659	0.282	0.063	0.027	0.016	0.012	0.010	---	---	0.398	1960
1961	---	---	0.025	0.011	0.011	0.009	0.004	0.003	0.005	0.005	---	---	0.009	1961
1962	---	---	0.143	0.051	0.015	0.020	0.012	0.002	0	0.002	---	---	0.031	1962
1963	---	---	0.072	0.066	0.013	0.007	0.564	0.008	0.006	0.006	---	---	0.093	1963
1964	---	---	0.033	0.380	0.261	0.019	0.010	0.007	0.011	0.011	---	---	0.091	1964
1965	---	---	0.014	5.21	0.541	1.10	0.387	0.050	0.061	0.067	---	---	0.913	1965
1966	---	---	2.06	0.898	0.156	0.052	0.039	0.031	0.027	0.027	---	---	0.412	1966
1967	---	---	0.017	0.590	3.86	0.202	0.054	0.040	0.030	0.034	---	---	0.612	1967
1968	---	---	0.273	0.063	0.089	0.035	0.022	0.021	0.019	0.018	---	---	0.063	1968
1969	---	---	0.015	2.17	0.041	0.031	0.027	0.022	0.015	0.016	---	---	0.286	1969
1970	---	---	0.016	2.63	1.60	0.256	0.070	0.032	0.031	0.023	---	---	0.578	1970
1971	---	---	0.018	1.89	0.228	0.068	0.020	0.018	0.015	0.014	---	---	0.279	1971
1972	---	---	1.35	0.084	0.038	0.028	0.022	0.017	0.008	0.009	---	---	0.196	1972
1973	---	---	0.030	0.021	0.023	0.015	0.005	0.002	0.004	0.009	---	---	0.014	1973
1974	---	---	0.028	1.10	0.041	0.053	0.019	0.012	0.012	0.012	---	---	0.207	1974
1975	---	---	0.005	0.464	1.71	0.399	0.032	0.026	0.019	0.014	---	---	0.334	1975
1976	---	---	0.876	0.769	0.033	0.028	0.019	0.017	0.016	0.017	---	---	0.221	1976
1977	---	---	0.014	0.012	0.007	0.007	0.005	0.001	0.003	0.009	---	---	0.007	1977
1978	---	---	0.012	1.06	0.288	0.032	0.020	0.012	0.014	0.019	---	---	0.180	1978
1979	---	---	1.31	2.26	0.325	0.048	0.130	0.022	0.019	0.015	---	---	0.500	1979
1980	---	---	0.024	0.041	0.012	0.012	0.008	0.004	0.004	0.006	---	---	0.013	1980
1981	---	---	0.016	0.007	0.011	0.004	0.002	0.002	0.002	0.002	---	---	0.006	1981
1982	---	---	0	0.677	0.472	0.850	0.019	0.011	0.010	0.012	---	---	0.253	1982
MEAN	---	---	0.291	1.39	0.447	0.163	0.063	0.024	0.022	0.015	0.007	0.005	0.307	MEAN

LOCATION - LAT 49 25 29 N DRAINAGE AREA, 305 km^2 INTERNATIONAL GAUGING STATION
LONG 110 03 09 W REGULATED

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1949	---	---	---	---	1949
1950	---	2.15 ON APR 16	0 B ON MAR 1 *	1 530	1950
1951	---	12.9 ON APR 28	0 B ON MAR 1	12 300	1951
1952	---	72.5 ON APR 15 *	0 B ON MAR 1	25 400	1952
1953	---	16.7 ON JUN 3	0 B ON MAR 1	9 440	1953
1954	---	3.26 B ON APR 14	0.003 ON JUL 11	3 090	1954
1955	---	13.1 ON APR 11	0.014B ON MAR 1	19 800	1955
1956	---	2.89 B ON APR 7	0.014 ON SEP 15	4 270	1956
1957	---	4.33 ON APR 23	0.008 ON SEP 4	7 830	1957
1958	---	10.6 ON APR 1	0.006 ON AUG 23	5 110	1958
1959	---	5.69 ON APR 3	0.006B ON MAR 1	5 130	1959
1960	---	9.71 ON MAR 28	0 B ON MAR 1	8 430	1960
1961	---	0.085B ON MAR 14	0 B ON MAR 1	193	1961
1962	---	0.937B ON MAR 28	0 B ON MAR 1	650	1962
1963	---	6.99 ON JUL 4	0.003B ON MAR 1	1 980	1963
1964	---	2.51 ON MAY 8	0.006B ON MAR 1	1 920	1964
1965	---	25.9 B ON APR 14	0.014B ON MAR 1	19 300	1965
1966	---	20.4 ON MAR 30	0.014B ON MAR 1	8 730	1966
1967	18.0 AT 13:00 MST ON MAY 18	14.5 ON MAY 18	0.011B ON MAR 1	12 900	1967
1968	---	1.23 B ON MAR 6	0.016 ON AUG 31	1 330	1968
1969	34.5 AT 06:50 CST ON APR 7 *	23.6 ON APR 7	0.012 ON SEP 25	6 050	1969
1970	17.4 AT 06:20 MST ON APR 11	13.1 ON APR 11	0.015B ON MAR 23	12 200	1970
1971	15.9 B AT 16:27 CST ON APR 16	9.15 B ON APR 16	0.012 ON OCT 12	5 910	1971
1972	15.5 AT 17:20 CST ON MAR 18	11.9 ON MAR 16	0.003B ON MAR 1	4 160	1972
1973	0.127 AT 12:20 CST ON APR 30	0.102 ON APR 30	0 ON JUL 28	292	1973
1974	3.94 AT 14:47 CST ON MAY 22	2.70 ON MAY 23	0.004B ON MAR 1	4 390	1974
1975	8.61 AT 21:30 CST ON MAY 8	6.29 ON MAY 8	0.003B ON MAR 27	7 070	1975
1976	7.42 B AT 17:22 CST ON MAR 19	5.32 B ON MAR 19	0.012 ON AUG 27	4 690	1976
1977	0.026 AT 18:56 CST ON JUL 13	0.019 ON APR 4	0.001 ON JUN 26	156	1977
1978	2.89 B AT 18:26 CST ON APR 8	2.19 ON APR 18	0.002B ON MAR 1	3 820	1978
1979	14.9 AT 14:36 CST ON APR 18	11.0 ON APR 18	0.003B ON MAR 1	10 600	1979
1980	0.147 AT 19:24 CST ON APR 13	0.111 ON APR 12	0.001 ON JUL 10	282	1980
1981	---	0.091B ON MAR 1	0.001 ON JUN 30	121	1981
1982	8.89 B AT 12:25 CST ON APR 24	6.50 B ON APR 24	0 B ON MAR 1	5 360	1982
				6 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	0.020	---	---	---	---	1964
1965	---	---	---	---	---	---	0.119	0.032	0.025	---	---	---	---	1965
1966	---	---	---	---	0.044	0.100	0.071	0.022	0.011	---	---	---	---	1966
1967	---	---	---	---	0.023	0.148	0.081	0.020	0.007	0.005	0.002	0.001	---	1967
1968	0.001	0	0	0	0.022	0.118	0.074	0.033	0.022	0.017	0.005	0.003	0.025	1968
1969	0.001	0.001	---	---	0.061	0.115	0.097	0.013	0.006	0.004	0.002	0.001	---	1969
1970	0.001	0	0	0	0.019	0.132	0.042	0.010	0.005	0.004	0.002	0.001	0.018	1970
1971	0	0	0	---	---	0.132	0.045	0.013	0.005	0.004	0.001	0.001	---	1971
1972	0	0	0	0	0.019	0.132	0.074	0.033	0.011	0.010	0.004	0.001	0.024	1972
1973	0	0	0	0	0.031	0.117	0.057	0.011	0.014	0.003	0.002	0	0.020	1973
1974	0	0	0	0	0.003	0.164	0.066	0.025	0.013	0.008	---	---	---	1974
1975	---	---	---	---	---	0.076	---	---	0.012	0.006	---	---	---	1975
1976	---	---	---	---	---	0.099	0.081	0.056	0.033	---	---	---	---	1976
1977	---	---	---	---	0.036	0.073	0.015	0.038	0.034	0.014	---	---	---	1977
1978	---	---	---	---	---	---	0.078	0.024	0.016	0.016	---	---	---	1978
1979	---	---	---	---	---	---	0.027	0.008	0.006	---	---	---	---	1979
1980	---	---	---	---	0.051	0.097	0.027	0.029	0.044	0.027	---	---	---	1980
1981	---	---	---	---	0.056	0.103	0.106	0.055	0.012	0.008	---	---	---	1981
1982	---	---	---	---	---	---	0.057	0.014	0.010	0.010	---	---	---	1982
MEAN	0	0	0	0	0.033	0.115	0.066	0.026	0.016	0.010	0.003	0.001	0.022	MEAN

LOCATION - LAT 50 57 30 N DRAINAGE AREA, 1.17 km^2
LONG 115 11 56 W NATURAL FLOW

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	0.170 AT 19:00 MST ON MAY 30	0.153 ON MAY 29	---	---	1966
1967	0.227E ON JUN 19	0.178E ON JUN 18	0 ON MAY 1 *	---	1967
1968	0.215 AT 16:10 MST ON JUN 3	0.184 ON JUN 4	0E ON FEB 6	777	1968
1969	0.269 AT 09:00 MST ON JUL 4	0.258 ON JUL 4	---	---	1969
1970	---	0.244 ON JUN 18	0 ON JAN 30	567	1970
1971	0.261 AT 14:00 MST ON JUN 7	0.258 ON JUN 7	0 ON JAN 14	---	1971
1972	0.255 AT 12:30 MST ON JUN 11	0.235 ON JUN 11	0 ON JAN 1	747	1972
1973	0.286 AT 15:40 MST ON JUN 22	0.249 ON JUN 24	0E ON JAN 6	619	1973
1974	0.422 AT 14:40 MST ON JUN 17 *	0.396 ON JUN 17 *	0E ON JAN 1	---	1974
1975	0.176 AT 16:00 MST ON JUN 24	0.130 ON JUN 24	---	---	1975
1976	0.178 AT 20:30 MST ON JUL 1	0.167 ON JUL 1	---	---	1976
1977	0.207 AT 15:30 MST ON JUN 1	0.142 ON JUN 9	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	0.157 AT 15:30 MST ON JUN 12	0.156 ON JUN 13	---	---	1980
1981	0.139 AT 16:15 MST ON JUN 5	---	---	---	1981
1982	---	---	---	---	1982
				678	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.073	0.187	0.150	0.043	0.028	0.016	0.009	0.005	---	1963
1964	0.004	0.003	0.003	0.005	0.055	0.347	0.128	0.023	0.035	0.039	0.015	0.008	0.055	1964
1965	0.005	0.005	0.004	0.010	0.049	0.263	0.175	0.068	0.056	0.075	0.024	0.011	0.062	1965
1966	0.008	0.006	0.006	0.009	0.113	0.191	0.105	0.036	0.019	0.015	0.010	0.006	0.044	1966
1967	0.005	0.003	0.003	0.003	0.064	0.289	0.117	0.032	0.013	0.009	0.007	0.004	0.046	1967
1968	0.004	0.003	0.003	0.004	0.065	0.195	0.106	0.053	0.041	0.034	0.013	0.009	0.044	1968
1969	0.006	0.004	0.003	0.019	0.143	0.189	0.164	0.026	0.014	0.011	0.008	0.005	0.050	1969
1970	0.003	0.002	0.002	0.003	0.060	0.227	0.068	0.019	0.012	0.011	0.007	0.005	0.035	1970
1971	0.003	0.002	0.003	0.006	0.106	0.271	0.083	0.025	0.012	0.011	0.007	0.005	0.045	1971
1972	0.003	0.003	0.003	0.004	0.083	0.295	0.125	0.048	0.027	0.021	0.012	0.007	0.052	1972
1973	0.005	0.004	0.003	0.005	0.093	0.225	0.092	0.026	0.033	0.015	0.011	0.007	0.043	1973
1974	0.005	0.004	0.003	---	---	0.320	0.112	0.043	0.032	0.024	0.012	0.008	---	1974
1975	0.005	---	---	---	0.032	0.175	0.100	0.055	0.029	0.018	0.011	0.007	---	1975
1976	0.006	0.005	0.002	0.008	0.146	0.152	0.105	0.076	0.061	0.026	0.012	0.009	0.051	1976
1977	0.006	0.005	0.004	0.014	0.075	0.091	0.032	0.059	0.049	0.028	0.014	0.009	0.032	1977
1978	---	---	---	0.007	0.066	0.239	0.100	0.044	0.033	0.029	0.015	0.009	---	1978
1979	0.005	0.004	0.003	0.005	0.076	0.148	0.053	0.019	0.014	0.009	0.006	0.004	0.029	1979
1980	0.003	0.003	0.002	0.020	0.131	0.176	0.043	0.041	0.056	0.037	0.012	0.009	0.045	1980
1981	0.007	0.005	0.005	0.010	0.148	0.201	0.164	0.065	0.019	0.011	0.008	0.005	0.054	1981
1982	0.004	0.003	0.002	0.003	0.046	0.243	0.082	0.024	0.022	0.021	0.010	0.007	0.039	1982
MEAN	0.005	0.004	0.003	0.008	0.085	0.221	0.105	0.041	0.030	0.023	0.011	0.007	0.045	MEAN

LOCATION - LAT 50 57 34 N DRAINAGE AREA, 2.85 km^2
LONG 115 10 16 W NATURAL FLOW

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.569 AT 01:00 MST ON JUN 30	0.493 ON JUN 30	---	---	1963
1964	0.634 AT 12:00 MST ON JUN 8	0.600 ON JUN 8	0.002 ON MAR 22	1 750	1964
1965	0.589 AT 04:00 MST ON JUN 18	0.541 ON JUN 18	0.003 ON MAR 17	1 970	1965
1966	0.368 AT 15:00 MST ON MAY 28	0.289 ON MAY 30	0.004E ON MAR 15	1 380	1966
1967	0.425 ON JUN 13	0.357 ON JUN 18	0.003 ON FEB 7	1 440	1967
1968	0.402 AT 18:55 MST ON JUN 2	0.323 ON JUN 3	0.003 ON JAN 15	1 400	1968
1969	0.385 AT 20:10 MST ON JUL 3	0.371 ON JUL 4	0.003 ON MAR 8	1 570	1969
1970	0.445 AT 16:30 MST ON JUN 18	0.428 ON JUN 18	0.002 ON FEB 12	1 100	1970
1971	0.665 AT 06:00 MST ON JUN 6	0.612 ON JUN 6	0.001 ON JAN 28 *	1 400	1971
1972	0.561 AT 16:00 MST ON JUN 1	0.481 ON JUN 1	0.002 ON MAR 4	1 660	1972
1973	0.416 AT 16:30 MST ON JUN 22	0.348 ON JUN 23	0.003 ON FEB 25	1 360	1973
1974	0.787A AT 13:55 MST ON JUN 17 *	0.694A ON JUN 17 *	0.003 ON FEB 18	---	1974
1975	0.314 AT 15:45 MST ON JUN 24	0.255 ON JUN 24	---	---	1975
1976	0.311 AT 15:30 MST ON MAY 27	0.221 ON MAY 27	0.002 ON MAR 9	1 610	1976
1977	0.221 AT 17:00 MST ON JUN 1	0.153 ON JUN 9	0.004 ON FEB 14	1 020	1977
1978	0.521 AT 16:30 MST ON JUN 5	0.405 ON JUN 6	---	---	1978
1979	0.410 AT 16:30 MST ON MAY 26	0.276 ON MAY 26	0.003 ON FEB 19	910	1979
1980	0.303 AT 12:00 MST ON JUN 13	0.295 ON JUN 13	0.002 ON MAR 8	1 410	1980
1981	0.613 AT 15:35 MST ON MAY 26	0.531 ON MAY 26	0.004 ON FEB 15	1 710	1981
1982	0.440 AT 16:58 MST ON JUN 14	0.401 ON JUN 16	0.002 ON MAR 13	1 230	1982
				1 430	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER CREEK NEAR NANTON - STATION NO. 05AB023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.007	0.006	0	0	0	0	0	0.001	1965
1966	0	0	0	0	0.001	0.016	0.003	0.001	0	0	0	0	0.002	1966
1967	0	0	0	0	0.025	0.027	0.003	0	0	0	0	0	0.005	1967
1968	0	0	0	0	0	0	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.009	0.012	0.024	0.022	0.002	0.001	0	0	0	0.006	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.002	0.007	0.013	0.006	0.001	0	0	0	0	0.002	MEAN

LOCATION - LAT 50 06 31 N DRAINAGE AREA, 0.91 km²
LONG 114 03 00 W NATURAL FLOW

MIDDLE STREETER CREEK NEAR NANTON - STATION NO. 05AB023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	0.008E ON MAY 1	0.006E ON MAY 1	0 ON JAN 1 *	13.1	1964
1965	0.028 AT 01:00 MST ON JUL 1	0.026 ON JUL 1	0 ON JAN 1	30.3	1965
1966	0.051 AT 02:00 MST ON JUN 7	0.048 ON JUN 6	0 ON JAN 1	51.7	1966
1967	0.096 AT 22:00 MST ON MAY 22	0.091 ON MAY 22	0 ON JAN 1	185	1967
1968	---	0.002 ON OCT 6	0 ON JAN 1	3.03	1968
1969	0.127 AT 06:50 MST ON JUN 27 *	0.122 ON JUN 27 *	0 ON JAN 1	181	1969
1970	---	---	0 ON JAN 8	---	1970
				71.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0.001	0.001	0.001	0.002	1964
1965	0	0	0	0	0.002	0.005	0.008	0.003	0.001	0.002	0.001	0.001	0.002	1965
1966	0.001	0.001	0	0.001	0.003	0.012	0.004	0.002	0.001	0.001	0.001	0.001	0.002	1966
1967	0	0	0	0	0.010	0.016	0.004	0.002	0.001	0.001	0.001	0.001	0.003	1967
1968	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.004	0.003	0.002	0.001	1968
1969	0.001	0.001	0.001	0.007	0.008	0.009	0.015	0.003	0.001	0.001	0.001	0.001	0.004	1969
1970	0	0.001	0.001	0.001	0.003	0.006	0.004	0.002	0.001	0.001	0.001	0	0.002	1970
1971	0	0	0	0.001	0.002	0.003	0.003	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0	0.001	0.008	0.007	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1972
1973	0.001	0.001	0.001	0.001	0.007	0.007	0.002	0.001	0.001	0.001	0	0	0.002	1973
1974	0	0	0	0.001	0.010	0.008	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1974
1975	0	0	0	0	0.009	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1975
1976	0.001	0.001	0	0.002	0.003	0.003	0.002	0.003	0.002	0.001	0.001	0.001	0.002	1976
1977	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0	0	---	---	---	1977
MEAN	0	0	0	0.001	0.005	0.007	0.004	0.002	0.001	0.001	0.001	0.001	0.002	MEAN

LOCATION - LAT 50 06 32 N
LONG 114 03 04 W NATURAL FLOW

MIDDLE STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.010E ON MAY 11	0 ON JAN 1 *	52.1	1964
1965	---	0.013E ON JUN 30	0E ON JAN 1	61.5	1965
1966	---	0.026 ON JUN 8	0 ON MAR 1	73.9	1966
1967	---	0.026 ON MAY 28	0 ON JAN 5	97.2	1967
1968	---	0.004 ON OCT 5	0E ON JAN 1	45.0	1968
1969	0.042 AT 00:00 MST ON JUL 1 *	0.040 ON JUN 29 *	0 ON DEC 30	128	1969
1970	---	0.009 ON JUN 22	0 ON JAN 1	52.9	1970
1971	0.005 AT 22:00 MST ON JUN 21	0.004 ON JUN 16	0 ON JAN 1	32.7	1971
1972	0.016 AT 20:00 MST ON JUN 1	0.016 ON MAY 31	0 ON JAN 1	64.6	1972
1973	0.014 AT 00:00 MST ON JUN 1	0.014 ON JUN 1	0 ON NOV 3	62.3	1973
1974	0.028 AT 15:40 MST ON MAY 25	0.028 ON MAY 24	0 ON JAN 1	78.8	1974
1975	0.024 AT 10:30 MST ON JUN 24	0.024 ON JUN 24	0 ON JAN 1	86.5	1975
1976	0.004 AT 00:30 MST ON AUG 23	0.004 ON MAY 23	0 ON FEB 8	49.7	1976
1977	0.001 AT 16:00 MST ON JUN 15	0.001E ON JAN 1	0 ON FEB 8	---	1977
				67.8	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER SPRING NO. 2 NEAR NANTON - STATION NO. 05AB035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.002	0.001	0.001	0.003	0.002	0.001	---	1968
1969	0.001	0.001	0.001	0.004	0.005	0.004	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0	0.001	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0.001	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0	0.001	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1973
1974	0	0	0	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1974
1975	0	0	0	0	0.005	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1975
1976	---	---	---	0.001	0.003	0.002	0.001	0.003	0.002	0.001	0.001	0.001	---	1976
1977	0.001	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0	0.001	1978
1979	0	0	0	0	0.004	0.002	0.001	0.001	0	0	0	0	0.001	1979
1980	0	0	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.003	0.002	0.001	0	0	0	0.001	1981
1982	0	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0.001	1982
MEAN	0	0	0	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 06 18 N
LONG 114 03 12 W NATURAL FLOW

MIDDLE STREETER SPRING NO. 2 NEAR NANTON - STATION NO. 05AB035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.008 ON JUN 26 *	0 ON DEC 12 *	70.1	1969
1970	---	0.006 ON JUN 19	0E ON JAN 1	47.1	1970
1971	0.005 AT 01:00 MST ON JUN 12	0.005 ON JUN 11	0 ON FEB 21	30.4	1971
1972	0.007 AT 10:00 MST ON MAY 28 *	0.007 ON MAY 28	0E ON JAN 1	46.1	1972
1973	0.006 AT 07:10 MST ON MAY 30	0.006 ON MAY 30	0 ON JAN 15	43.9	1973
1974	0.007 AT 08:30 MST ON MAY 25	0.007 ON MAY 23	0E ON JAN 1	43.3	1974
1975	0.007 AT 22:00 MST ON JUN 23	0.007 ON MAY 12	0 ON JAN 1	47.7	1975
1976	0.004 AT 23:00 MST ON AUG 15	0.004 ON AUG 13	---	---	1976
1977	0.001 AT 15:30 MST ON JUN 15	0.001E ON JAN 1	0E ON JAN 23	12.6	1977
1978	0.007 AT 17:40 MST ON MAY 31	0.007 ON MAY 31	0E ON JAN 1	42.4	1978
1979	0.005 AT 13:00 MST ON MAY 17	0.005 ON MAY 13	0 ON JAN 1	24.9	1979
1980	0.002 AT 06:00 MST ON JUN 14	0.002 ON JUN 3	0 ON JAN 1	14.7	1980
1981	0.007 AT 14:25 MST ON MAY 20	0.007 ON MAY 20	0 ON JAN 1	35.0	1981
1982	0.003 AT 13:21 MST ON JUL 7	0.003 ON JUN 12	0E ON JAN 1	18.2	1982
				36.6	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	43.6	34.1	11.3	8.90	6.70	3.44	1.11	---	1914
1915	0.876	0.686	0.882	4.03	19.5	28.4	23.9	14.4	5.87	4.35	2.81	1.26	8.97	1915
1916	0.543	0.757	0.948	3.66	11.3	44.3	39.8	20.1	12.2	7.86	3.35	1.51	12.2	1916
1917	0.966	1.13	0.540	1.53	14.6	36.9	31.4	10.5	7.22	11.2	5.33	3.74	10.5	1917
1918	1.74	1.48	1.24	4.20	14.5	50.2	38.5	14.2	7.67	5.09	2.66	1.64	12.0	1918
1919	1.02	0.642	0.667	2.72	16.7	34.9	37.3	15.7	9.27	3.39	2.03	0.776	10.5	1919
1920	0.731	0.668	0.508	0.639	8.17	38.7	61.8	26.8	14.1	9.59	3.05	1.88	14.0	1920
1921	1.74	1.24	0.924	---	---	---	---	---	---	---	---	---	---	1921
1973	---	---	---	---	---	---	23.8	11.9	5.44	6.10	---	---	---	1973
1974	---	---	---	2.07	10.5	55.1	39.2	14.7	9.54	7.07	---	---	---	1974
1975	---	---	---	---	10.1	33.3	28.7	14.8	7.31	4.85	5.49	2.19	---	1975
1976	1.38	1.17	1.11	2.21	23.6	34.9	39.5	26.6	13.3	6.33	2.13	1.65	12.9	1976
1977	1.14	0.883	0.609	2.14	13.9	38.4	30.4	14.9	12.8	5.39	2.35	1.36	10.4	1977
1978	0.847	0.491	0.827	1.72	12.2	47.5	31.7	13.6	25.4	10.1	3.41	2.03	12.5	1978
1979	0.512	0.706	0.623	1.12	10.9	43.4	28.9	10.3	5.67	3.45	0.963	1.02	8.99	1979
1980	0.554	0.511	0.518	4.12	23.8	32.9	16.6	11.1	9.67	6.47	3.21	3.41	9.43	1980
1981	2.01	0.846	0.883	1.40	23.9	25.8	24.6	11.7	7.37	3.13	1.93	1.60	8.82	1981
1982	0.893	0.732	0.652	0.849	9.90	54.8	34.8	14.9	11.9	6.29	2.01	1.58	11.6	1982
MEAN	1.07	0.853	0.781	2.31	14.9	40.2	33.2	15.1	10.2	6.32	2.94	1.78	11.0	MEAN

LOCATION - LAT 52 51 30 N DRAINAGE AREA, 651 km^2
LONG 118 08 50 W NATURAL FLOW

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	67.4 ON JUN 17	---	---	1914
1915	---	85.0 ON JUN 26	0.227B ON MAR 21	283 000	1915
1916	---	88.6 ON JUN 20	0.113B ON JAN 29 *	387 000	1916
1917	---	66.3 ON JUN 17	0.422B ON MAR 5	330 000	1917
1918	---	88.9 ON JUN 11	0.850B ON FEB 16	377 000	1918
1919	---	70.8 ON JUN 22	0.459B ON MAR 12	331 000	1919
1920	---	94.6 ON JUL 2	0.170B ON MAR 30	441 000	1920
1921	---	2.10B ON JAN 20	0.793B ON FEB 23	---	1921
1973	91.7 AT 23:00 MST ON JUN 24	87.2 ON JUN 24	---	---	1973
1974	121 AT 03:00 MST ON JUN 23 *	114 ON JUN 23 *	---	---	1974
1975	52.4 AT 01:00 MST ON JUL 5	46.2 ON JUN 25	---	---	1975
1976	72.8 AT 24:00 MST ON JUN 19	67.4 ON JUN 20	0.538B ON APR 5	408 000	1976
1977	80.7 AT 01:00 MST ON JUN 8	73.1 ON JUN 8	0.569B ON MAR 21	328 000	1977
1978	87.8 AT 23:00 MST ON JUN 5	81.8 ON JUN 6	0.462B ON FEB 14	394 000	1978
1979	83.9 AT 23:30 MST ON JUN 4	80.3 ON JUN 5	0.400B ON JAN 15	284 000	1979
1980	49.4 AT 22:05 MST ON JUN 4	47.0 ON JUN 17	0.400B ON JAN 30	298 000	1980
1981	69.3 AT 23:45 MST ON MAY 26	66.8 ON MAY 26	0.705B ON FEB 12	278 000	1981
1982	86.3 AT 01:55 MST ON JUN 15	82.9 ON JUN 15	0.580B ON MAR 30	367 000	1982
				347 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.08	2.08	---	---	---	1909
1910	---	---	---	---	5.24	3.06	0.764	0.130	1.24	1.20	---	---	---	1910
1911	---	---	---	8.07	10.3	9.85	6.51	3.30	12.6	5.74	---	---	---	1911
1912	---	---	---	19.4	9.02	3.85	3.17	1.69	1.71	2.21	---	---	---	1912
1913	---	---	---	26.7	13.5	8.89	5.02	2.41	0.893	1.86	2.28	---	---	1913
1914	---	---	---	14.2	4.48	2.91	0.736	0.207	0.654	4.74	1.84	0.573	---	1914
1915	---	---	---	8.52	6.35	15.6	9.09	5.77	5.55	5.47	3.25	1.19	---	1915
1916	---	---	20.7	10.9	12.4	21.7	19.2	7.43	7.87	6.00	3.84	2.05	13.2	1916
1917	---	---	---	45.1	26.9	16.3	7.85	8.26	6.28	2.17	3.31	---	---	1917
1918	---	---	---	10.1	7.28	7.79	10.6	8.51	2.79	1.22	0.943	---	---	1918
1919	---	---	---	6.52	12.0	11.7	9.46	9.60	6.20	1.83	---	---	---	1919
1920	---	---	---	26.7	36.5	14.7	15.8	11.5	1.39	0.916	---	---	---	1920
1921	---	---	---	10.3	9.43	12.0	9.90	5.01	0.615	0.442	---	---	---	1921
1922	---	---	2.24	14.8	14.2	10.7	12.5	8.07	5.60	1.78	---	---	8.70	1922
1923	---	---	2.94	9.25	11.1	23.4	14.0	9.17	4.22	0.946	---	---	9.35	1923
1924	---	---	2.27	10.1	8.78	20.2	12.6	15.1	5.50	1.01	---	---	9.40	1924
1925	---	---	---	22.5	19.8	19.5	14.4	12.6	9.31	8.74	---	---	---	1925
1926	---	---	---	4.26	11.7	14.2	14.1	3.12	5.04	1.23	---	---	---	1926
1927	---	---	---	29.1	55.0	43.4	19.7	25.1	10.9	7.26	---	---	---	1927
1928	---	---	---	17.3	12.8	23.4	27.7	15.2	7.25	3.90	---	---	---	1928
1929	---	---	12.5	19.4	18.9	25.4	13.7	11.9	8.86	4.84	---	---	14.4	1929
1930	---	---	12.5	17.0	11.3	9.84	14.9	13.0	7.88	1.53	---	---	11.0	1930
1931	---	---	---	3.15	11.3	13.8	15.3	15.6	6.26	1.02	---	---	---	1931
1932	---	---	7.54	12.3	20.1	22.7	17.0	16.1	8.04	1.11	---	---	13.1	1932
1933	---	---	7.52	18.1	22.2	17.8	16.1	15.6	9.68	3.27	---	---	13.8	1933
1934	---	---	10.4	10.8	23.6	26.9	20.8	18.0	4.57	1.71	1.99	1.19	14.6	1934
1935	1.81	12.9	5.72	16.6	16.9	17.6	20.1	16.4	9.35	1.10	---	---	12.9	1935
1936	---	---	9.62	18.2	11.7	20.1	19.0	16.0	2.48	1.42	0.887	0.287	11.8	1936
1937	0.019	0.003	1.95	16.6	20.3	19.4	18.3	18.9	7.56	2.09	0.595	0.294	13.1	1937
1938	0.121	0.455	12.9	12.3	23.6	20.2	22.0	18.6	8.57	1.45	---	---	15.0	1938
1939	---	---	5.92	4.72	17.1	21.2	19.0	14.3	1.99	0.373	---	---	10.6	1939
1940	---	---	8.77	7.74	12.1	16.9	19.0	11.5	1.37	0.802	---	---	9.78	1940
1941	---	---	2.90	2.89	13.4	17.4	17.4	9.32	3.12	0.915	---	---	8.44	1941
1942	---	---	2.34	18.6	24.3	18.2	18.7	16.3	13.8	3.73	---	---	14.5	1942
1943	---	---	10.0	17.5	8.97	18.7	16.3	15.3	14.9	5.37	---	---	13.3	1943
1944	---	---	1.52	4.44	13.7	14.5	10.0	11.1	2.55	0.812	---	---	7.29	1944
1945	---	---	6.29	2.27	17.0	21.8	17.0	14.8	15.3	4.25	---	---	12.3	1945
1946	---	---	5.30	10.3	17.6	20.3	17.2	14.7	16.6	4.02	---	---	13.2	1946
1947	---	---	33.6	19.6	13.4	18.2	17.1	17.1	16.0	3.79	---	---	17.3	1947
1948	---	---	4.69	31.7	20.0	36.3	20.4	19.0	15.2	4.30	---	---	18.8	1948
1949	---	---	3.82	11.3	17.9	17.7	15.7	14.2	11.7	1.99	---	---	11.8	1949
1950	---	---	3.83	18.1	16.4	20.1	19.5	15.5	14.7	15.6	---	---	15.4	1950
1951	---	---	15.0	28.4	21.3	26.7	29.6	22.9	17.0	8.17	---	---	21.1	1951
1952	---	---	27.2	40.6	13.2	5.67	13.8	16.7	16.4	7.96	---	---	17.7	1952
1953	---	---	4.64	23.1	38.2	62.9	12.6	15.9	15.8	6.07	---	---	22.3	1953
1954	---	---	4.59	21.0	22.1	20.4	17.7	18.2	8.88	3.31	---	---	14.5	1954
1955	---	---	2.58	22.9	24.9	16.7	26.6	16.2	11.9	2.31	---	---	15.5	1955
1956	---	---	8.65	14.9	24.1	22.1	22.7	19.1	16.3	11.4	---	---	17.4	1956
1957	---	---	12.3	12.1	28.4	23.0	15.4	15.6	13.0	3.39	---	---	15.4	1957
1958	---	---	5.73	32.2	18.4	22.7	19.4	17.1	11.7	1.67	---	---	16.0	1958
1959	---	---	19.7	21.6	29.2	23.7	17.9	17.4	18.7	9.36	---	---	19.7	1959
1960	---	---	21.3	9.27	23.6	19.7	17.1	17.5	14.0	1.15	---	---	15.5	1960
1961	---	---	3.49	12.7	16.4	20.1	17.2	16.7	14.6	3.57	---	---	13.1	1961
1962	---	---	8.35	19.8	21.6	19.9	17.9	16.1	3.90	0.660	---	---	13.5	1962
1963	---	5.60	3.10	13.7	17.9	21.5	20.0	18.0	14.9	0.783	---	---	13.7	1963
1964	---	---	1.25	14.9	33.7	31.0	12.0	19.5	20.1	3.13	---	---	16.9	1964
1965	---	---	9.12	47.9	13.3	37.4	20.2	19.7	17.7	3.58	---	---	20.9	1965
1966	---	---	13.7	11.3	18.3	31.1	20.8	19.9	17.5	3.24	---	---	16.9	1966
1967	---	---	18.0	19.7	49.6	23.2	20.6	19.3	18.4	3.13	---	---	21.5	1967
1968	---	---	11.4	14.5	26.5	25.9	21.7	21.0	20.5	6.26	---	---	18.4	1968
1969	---	---	26.5	34.4	14.3	27.1	26.5	19.0	12.3	2.12	---	---	20.2	1969
1970	---	---	7.36	12.1	20.0	25.0	18.7	18.5	13.5	1.75	---	---	14.6	1970
1971	---	---	6.10	15.2	17.6	11.5	20.7	18.8	19.8	8.46	---	---	14.8	1971
1972	---	---	33.5	18.3	26.1	24.3	22.5	21.5	21.0	11.0	---	---	21.8	1972
1973	---	---	5.60	5.01	13.1	19.4	17.8	16.7	2.26	0.446	---	---	10.0	1973
1974	---	---	7.37	20.6	28.9	20.2	21.0	19.0	16.9	2.07	---	---	17.0	1974
1975	---	---	0.463	19.0	47.0	36.2	15.8	21.9	19.6	5.15	---	---	20.6	1975
1976	---	---	11.7	11.0	22.8	24.7	22.6	21.6	17.1	5.66	---	---	17.1	1976
1977	---	---	3.12	4.41	12.4	18.3	7.41	5.23	3.22	1.02	---	---	6.87	1977
1978	---	---	43.1	16.0	12.3	15.1	20.1	20.4	15.4	2.82	---	---	18.2	1978
1979	---	---	41.8	21.6	21.2	20.8	17.9	17.4	7.91	1.03	---	---	18.7	1979
1980	---	---	7.28	20.6	20.9	24.9	19.2	18.2	11.1	1.60	---	---	15.4	1980
1981	---	---	13.6	15.1	29.8	27.2	21.2	17.1	16.3	3.47	---	---	17.9	1981
1982	---	---	8.65	25.8	22.6	24.8	19.3	2.19	0.687	1.25	---	---	13.1	1982
MEAN	0.650	4.74	10.6	16.7	19.3	20.4	16.6	14.4	10.1	3.42	2.10	0.924	14.9	MEAN

LOCATION - LAT 48 59 05 N DRAINAGE AREA, 6 490 km² INTERNATIONAL GAUGING STATION
LONG 110 28 15 W REGULATED SINCE 1917

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	47.0 ON JUN 27	47.0 ON JUN 27	---	---	1911
1912	---	56.9 ON APR 6	---	---	1912
1913	---	52.7 ON APR 14	---	---	1913
1914	---	30.3 ON APR 9	0 ON AUG 3 *	---	1914
1915	---	49.6B ON MAR 24	---	---	1915
1916	---	99.1E ON JUL 3	3.40 ON SEP 29	280 000	1916
1917	---	138 ON APR 9	---	---	1917
1918	---	---	---	---	1918
1919	22.3 AT 22:00 MST ON MAY 12	18.8 ON MAY 13	---	---	1919
1920	112 AT 01:30 MST ON APR 22	96.3 ON MAY 10	---	---	1920
1921	50.1 AT 23:00 MST ON APR 4	32.8 ON APR 4	---	---	1921
1922	54.1 ON JUL 8	49.8A ON APR 24	0 B ON MAR 1	184 000	1922
1923	116 AT 13:15 MST ON JUN 21	66.8 ON JUN 21	0 B ON MAR 1	198 000	1923
1924	51.0 ON JUN 9	49.3 ON JUN 10	0.793 ON OCT 29	199 000	1924
1925	---	56.6B ON MAR 24	---	---	1925
1926	23.1 AT 02:00 MST ON JUN 23	21.2 ON JUN 23	---	---	1926
1927	238 AT 16:40 MST ON MAY 23	211 ON MAY 23 *	---	---	1927
1928	153 B AT 03:00 MST ON MAR 24	134 B ON MAR 23	---	---	1928
1929	72.5 AT 21:00 MST ON JUN 3	67.1 ON JUN 4	0.850B ON MAR 1	305 000	1929
1930	85.0 AT 06:00 MST ON MAR 31	77.9 ON MAR 31	0.830B ON OCT 17	232 000	1930
1931	31.1 AT 21:00 MST ON JUL 31	25.3 ON JUL 31	---	---	1931
1932	83.3A AT 11:00 MST ON JUN 16	53.5A ON JUN 17	0.957 ON OCT 18	277 000	1932
1933	51.5 AT 11:00 MST ON APR 25	43.0 ON APR 25	0 B ON MAR 1	292 000	1933
1934	64.3 AT 14:45 MST ON JUN 10	62.3 ON JUN 10	0.779 ON OCT 15	309 000	1934
1935	95.7 AT 23:00 MST ON APR 18	68.2 ON APR 19	0.198B ON OCT 30	274 000	1935
1936	80.7 AT 00:00 MST ON APR 13	66.0 ON APR 13	0.566B ON APR 1	250 000	1936
1937	100 AT 01:40 MST ON JUN 15	77.9 ON JUN 15	0.003B ON MAR 1	278 000	1937
1938	54.1 AT 02:00 MST ON APR 12	43.9 ON APR 12	0.691 ON OCT 1	317 000	1938
1939	60.6B AT 02:00 MST ON MAR 19	40.2 ON JUN 24	0.057B ON MAR 6	224 000	1939
1940	39.9B AT 16:00 MST ON MAR 5	24.5B ON MAR 6	0 B ON MAR 1	207 000	1940
1941	51.5A ON JUN 29	41.3A ON JUN 29	0.283B ON MAR 1	179 000	1941
1942	57.2 AT 21:00 MST ON APR 4	48.1 ON JUN 8	0.142B ON MAR 1	307 000	1942
1943	93.7B AT 18:00 MST ON MAR 30	53.2 ON MAR 31	0.708B ON MAR 17	282 000	1943
1944	20.0 AT 10:00 MST ON AUG 8	18.1 ON AUG 9	0.113B ON MAR 1	154 000	1944
1945	32.0 AT 17:00 MST ON JUN 9	30.9 ON JUN 9	0 ON MAR 1	261 000	1945
1946	49.3 AT 19:00 MST ON JUN 5	29.7 ON JUN 24	1.56 ON OCT 24	280 000	1946
1947	246 B AT 02:30 MST ON MAR 23	187 B ON MAR 22	0.425B ON MAR 12	367 000	1947
1948	151 AT 02:00 MST ON JUN 20	132 ON APR 19	0.142B ON MAR 1	399 000	1948
1949	31.4 AT 01:30 MST ON MAY 23	29.4 ON MAY 23	0.057B ON MAR 1	249 000	1949
1950	53.2 AT 06:00 MST ON APR 19	45.9 ON APR 19	0.850B ON MAR 8	327 000	1950
1951	159 AT 06:00 MST ON JUN 27	124 ON JUN 27	0 B ON MAR 15	447 000	1951
1952	270 AT 02:00 MST ON MAR 31	206 ON MAR 29	2.10 ON OCT 31	374 000	1952
1953	214 AT 03:00 MST ON JUN 6	199 ON JUN 5	0.850B ON MAR 1	471 000	1953
1954	---	47.9B ON APR 7	2.69 ON OCT 26	307 000	1954
1955	134 AT 05:30 MST ON JUL 12	77.6 ON JUL 12	0 B ON MAR 1	328 000	1955
1956	63.1 AT 13:00 MST ON JUL 6	56.1 ON JUL 6	0 B ON MAR 1	368 000	1956
1957	39.1 AT 21:00 MST ON MAY 10	36.8 ON MAY 11	2.29 ON OCT 17	326 000	1957
1958	102 AT 05:00 MST ON APR 2	93.7 ON APR 2	0.425B ON MAR 2	339 000	1958
1959	50.1B AT 13:00 MST ON MAR 25	39.1 ON MAY 22	2.55 ON OCT 29	417 000	1959
1960	115 B AT 03:00 MST ON MAR 22	83.0B ON MAR 22	0.566E ON MAR 2	327 000	1960
1961	30.6 AT 12:00 MST ON MAY 20	28.6 ON MAY 20	1.42 B ON MAR 6	277 000	1961
1962	41.9B AT 06:00 MST ON MAR 23	32.8B ON MAR 23	0.085B ON MAR 13	286 000	1962
1963	45.9 AT 23:00 MST ON JUN 28	29.2 ON JUL 4	0.340A ON OCT 28	290 000	1963
1964	220 AT 07:00 MST ON JUN 11	164 ON JUN 11	0.623B ON MAR 10	357 000	1964
1965	303 AT 06:30 MST ON APR 9 *	189 ON APR 9	2.52 ON OCT 30	443 000	1965
1966	84.1 AT 21:00 MST ON JUN 6	62.3 ON JUN 7	0 ON MAR 1	358 000	1966
1967	195 B AT 18:45 MST ON MAR 24	150 ON MAY 10	1.78 ON OCT 18	455 000	1967
1968	85.0B AT 06:00 MST ON MAR 6	44.7 ON JUN 10	3.65 ON OCT 31	391 000	1968
1969	120 A AT 06:00 MST ON APR 13	112 ON APR 3	0.708B ON MAR 6	428 000	1969
1970	81.8 AT 23:00 MDT ON JUN 16	59.2 ON JUN 16	0.963 ON OCT 29	309 000	1970
1971	---	33.1 ON MAY 21	1.70 ON OCT 29	312 000	1971
1972	142 B AT 07:30 MST ON MAR 19	130 B ON MAR 19	0.006B ON MAR 1	461 000	1972
1973	34.5 AT 17:15 MST ON JUN 15	27.9 ON JUN 15	0.396A ON OCT 12	213 000	1973
1974	52.4 AT 08:45 MST ON MAY 21	46.4 ON MAY 3	1.10 ON OCT 30	360 000	1974
1975	238 AT 04:00 MST ON JUN 23	184 ON JUN 22	0 B ON MAR 1	436 000	1975
1976	59.2B AT 13:00 MST ON MAR 21	46.2B ON MAR 21	1.25 E ON OCT 31	363 000	1976
1977	22.5 AT 15:30 MST ON MAY 15	21.3 ON MAT 29	0.623 ON OCT 31	145 000	1977
1978	204 B AT 09:00 MST ON MAR 27	193 B ON MAR 27	0.113B ON MAR 1	385 000	1978
1979	175 B AT 16:00 MST ON MAR 8	158 B ON MAR 8	0.142B ON MAR 1	396 000	1979
1980	59.2 AT 05:00 MDT ON MAY 29	53.0 ON MAY 29	0.991 ON OCT 10	327 000	1980
1981	60.6 AT 15:00 MDT ON MAY 18	49.0 ON MAY 19	1.90 E ON OCT 31	380 000	1981
1982	148 AT 05:00 MST ON APR 14	115 ON APR 14	0.283 ON SEP 12	278 000	1982
				316 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	2.31	1.06	0.980	---	---	---	1909
1910	---	---	---	3.91	3.44	2.02	0.425	0.125	0.872	0.846	---	---	---	1910
1911	---	---	---	---	7.79	7.19	2.54	1.52	4.00	2.10	---	---	---	1911
1912	---	---	---	---	5.91	2.23	1.80	1.01	0.928	1.21	---	---	---	1912
1913	---	---	---	---	9.39	6.11	2.84	1.48	0.520	1.76	---	---	---	1913
1914	---	---	---	---	---	1.70	0.424	0.291	0.324	1.97	---	---	---	1914
1915	---	---	---	2.26	3.69	7.05	3.93	1.73	3.68	2.64	---	---	---	1915
MEAN	---	---	---	3.09	6.04	4.38	1.99	1.21	1.63	1.64	---	---	---	MEAN

LOCATION - LAT 49 05 00 N DRAINAGE AREA, 1 190 km²
LONG 112 24 00 W NATURAL FLOW

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	6.85 ON MAY 18	---	---	1910
1911	---	27.8 ON JUN 25 *	---	---	1911
1912	---	18.9 ON MAY 22	---	---	1912
1913	---	15.7 ON APR 18	---	---	1913
1914	---	---	0 ON AUG 5 *	---	1914
1915	---	24.3 ON JUN 26	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	16.6	8.47	3.65	2.22	2.03	---	---	---	1909
1910	---	---	---	5.77	4.93	2.82	0.864	0.592	1.56	1.53	---	---	---	1910
1911	---	---	---	8.72	11.2	10.1	3.64	2.58	7.15	3.38	3.56	2.23	---	1911
1912	1.07	2.19	6.62	15.6	8.29	2.98	3.57	1.76	1.83	2.30	2.55	0.374	4.09	1912
1913	0.203	0.242	0.198	21.1	11.7	7.24	3.35	2.08	1.16	2.46	1.70	1.28	4.39	1913
1914	0.712	0.274	2.61	8.98	4.26	2.02	0.713	0.618	0.794	3.76	2.26	0.793	2.32	1914
1915	0.740	0.767	7.16	4.93	5.10	12.2	7.44	4.26	6.36	5.45	3.46	1.77	4.99	1915
1916	0.691	15.6	13.6	9.41	13.8	18.3	10.0	6.39	6.16	6.13	4.29	2.67	8.87	1916
1917	1.71	1.79	2.32	39.2	23.9	15.2	10.1	10.2	6.09	2.69	3.10	1.84	9.84	1917
1918	6.28	2.00	6.11	8.38	6.68	9.40	12.5	8.03	2.49	1.12	0.941	0.641	5.41	1918
1919	0.626	0.687	1.86	5.85	14.2	11.7	10.3	10.4	5.44	2.49	0.690	0.554	5.44	1919
1920	0.741	0.811	5.49	23.7	25.1	15.2	12.9	10.5	1.16	0.917	0.956	0.527	8.18	1920
1921	0.479	0.988	2.49	10.6	9.03	12.5	9.69	4.29	0.609	0.637	0.435	0.182	4.34	1921
1922	0.045	0	0.097	15.4	12.6	10.6	11.8	9.06	5.86	1.44	0.699	0.058	5.66	1922
1923	0	0	0.594	6.51	10.9	19.4	12.5	9.49	3.17	0.946	0.580	0.309	5.39	1923
1924	0.137	0.877	1.16	9.76	10.1	19.9	13.2	16.1	4.52	0.973	0.917	0.704	6.53	1924
1925	0.129	0.232	5.11	18.6	19.5	18.5	15.1	14.6	11.2	7.57	2.34	2.25	9.63	1925
1926	1.28	1.59	2.09	4.80	12.5	13.3	13.0	3.27	4.17	0.965	0.618	0.169	4.83	1926
1927	0.068	0.058	5.24	20.8	27.8	26.0	19.4	19.0	9.41	6.08	4.02	1.96	11.7	1927
1928	7.58	3.29	18.3	14.6	10.3	22.6	23.2	16.3	5.47	4.55	3.38	1.69	11.0	1928
1929	1.23	1.04	11.7	15.9	12.6	21.3	16.1	13.3	9.04	4.67	2.04	1.33	9.23	1929
1930	0.947	10.5	9.99	14.6	10.1	12.4	15.0	12.7	6.74	1.58	1.34	1.51	8.09	1930
1931	1.08	1.19	3.10	2.80	10.9	13.9	14.7	14.1	4.20	1.77	1.47	0.451	5.85	1931
1932	0.549	3.11	7.04	10.7	20.0	17.1	17.3	17.5	6.67	1.24	1.03	0.333	8.58	1932
1933	0.282	0.587	5.18	12.2	20.7	18.3	18.7	18.1	8.80	2.82	2.40	0.635	9.11	1933
1934	1.67	7.45	6.53	12.0	23.9	22.9	21.4	18.5	2.46	1.46	1.46	0.978	10.1	1934
1935	2.20	4.62	2.76	13.5	16.0	18.8	20.7	16.6	8.86	0.750	0.296	0.547	8.82	1935
1936	0.249	0.061	3.11	10.7	13.8	21.4	20.4	14.3	2.47	1.37	0.907	0.096	7.43	1936
1937	0.028	0.028	0.652	11.9	20.6	16.4	19.3	19.4	5.82	1.15	0.645	0.331	8.08	1937
1938	0.524	0.304	6.04	9.06	19.1	19.5	21.7	19.4	5.87	2.01	2.89	0.568	8.98	1938
1939	0.335	0.200	2.91	6.04	18.3	21.1	20.2	13.8	1.10	0.637	5.30	0.399	7.58	1939
1940	0.094	0.040	1.80	2.86	12.2	17.4	18.6	10.9	0.590	0.361	5.16	0.605	5.99	1940
1941	0.394	0.481	2.11	3.46	14.6	16.0	17.9	8.12	2.66	0.626	0.617	0.844	5.70	1941
1942	0.174	0.633	1.73	18.1	23.0	14.5	19.1	17.4	14.6	1.97	0.827	0.944	9.46	1942
1943	0.249	0.546	8.31	15.4	8.58	20.4	17.4	15.6	15.6	3.85	2.00	0.665	9.07	1943
1944	0.363	0.562	1.29	4.66	14.7	13.8	11.6	9.54	2.15	0.344	0.489	0.381	5.01	1944
1945	0.154	0.315	1.71	2.68	18.5	21.8	17.1	16.0	15.8	3.23	0.652	0.636	8.26	1945
1946	0.360	0.663	3.35	12.4	18.4	19.8	17.4	15.7	16.1	1.98	0.751	0.528	8.99	1946
1947	0.489	1.75	20.1	16.4	12.8	17.5	17.5	17.2	15.0	2.59	1.12	0.808	10.3	1947
1948	0.926	0.298	1.68	27.4	18.1	37.0	21.1	19.3	16.4	2.95	1.86	1.11	12.3	1948
1949	0.564	0.448	2.92	11.7	20.0	18.5	16.5	15.3	11.0	1.66	1.48	0.533	8.43	1949
1950	0.030	0.333	2.49	17.7	17.0	20.7	19.3	15.6	15.5	15.7	3.06	1.11	10.8	1950
1951	0.887	0.636	11.9	24.4	17.9	23.8	27.3	22.0	14.2	7.31	6.11	3.77	13.4	1951
1952	2.42	4.45	12.1	27.4	9.13	4.58	14.0	17.2	17.3	6.53	1.60	1.62	9.86	1952
1953	1.70	2.19	4.52	23.6	32.8	46.2	11.6	16.6	17.1	4.62	2.53	1.77	13.8	1953
1954	1.21	4.33	4.08	18.7	22.7	19.8	19.3	19.6	6.07	2.82	2.11	1.37	10.2	1954
1955	0.557	0.632	3.35	15.6	21.7	16.1	20.0	17.7	10.8	1.89	0.862	1.18	9.26	1955
1956	0.894	1.11	8.34	13.9	25.2	22.0	21.8	18.3	16.7	9.79	2.18	0.708	11.8	1956
1957	0.552	1.35	5.74	11.1	28.1	21.8	16.6	15.9	10.8	1.89	2.35	1.41	9.85	1957
1958	0.910	1.64	3.02	22.6	19.9	22.3	19.6	17.8	10.8	1.41	1.47	1.57	10.3	1958
1959	1.10	1.13	6.47	20.6	28.5	22.8	17.8	18.3	20.2	8.21	1.83	2.29	12.5	1959
1960	0.962	1.17	17.0	7.22	22.4	20.9	18.4	18.2	12.9	0.852	1.00	0.872	10.2	1960
1961	1.03	1.32	3.71	14.5	17.4	21.2	18.9	18.1	13.9	3.07	1.13	0.299	9.58	1961
1962	1.17	2.18	7.33	21.2	21.3	20.6	18.3	17.5	2.25	0.654	0.606	0.543	9.51	1962
1963	0.244	4.02	2.50	16.6	18.7	21.9	19.6	18.2	12.9	0.427	0.365	0.232	9.65	1963
1964	0.202	0.599	1.14	14.3	29.3	28.1	12.8	19.6	18.0	2.32	1.91	0.895	10.8	1964
1965	0.369	2.88	5.24	31.3	11.5	30.1	17.9	20.7	14.8	2.68	1.96	2.08	11.8	1965
1966	0.324	0.860	11.0	8.96	20.0	29.3	20.2	21.0	16.8	2.24	1.68	1.23	11.2	1966
1967	1.28	2.30	11.3	13.0	33.4	21.0	22.2	20.5	18.8	1.90	1.94	1.37	12.5	1967
1968	1.31	2.72	8.82	15.6	25.3	25.9	21.3	20.4	18.5	4.25	3.38	2.10	12.5	1968
1969	0.755	1.18	10.5	29.3	14.7	27.1	23.6	19.9	11.1	2.25	1.99	1.23	12.0	1969
1970	0.450	1.03	2.62	13.2	20.3	23.0	20.1	19.8	11.5	1.58	1.42	0.477	9.66	1970
1971	0.643	6.52	4.06	14.2	16.5	11.3	20.3	18.7	19.0	6.16	1.59	0.248	9.94	1971
1972	0.060	0.101	29.0	11.7	27.7	23.0	22.4	21.2	19.7	7.44	1.41	0.341	13.7	1972
1973	0.824	1.32	4.76	5.08	14.5	19.9	18.7	15.9	0.716	0.400	0.368	0.460	6.96	1973
1974	1.99	0.823	4.58	20.6	25.1	19.3	20.6	18.5	14.8	1.06	0.956	0.532	10.8	1974
1975	0.228	0.102	0.755	6.56	28.3	25.7	14.0	20.8	18.5	3.86	2.12	2.36	10.3	1975
1976	3.41	3.27	7.91	11.9	24.1	25.7	22.6	22.5	20.0	4.68	1.40	1.11	12.4	1976
1977	0.790	1.46	1.05	4.89	15.8	19.1	5.71	5.37	3.04	0.780	0.475	0.349	4.91	1977
1978	0.351	0.498	18.2	8.08	7.98	15.1	17.7	17.3	11.5	2.03	1.58	1.45	8.54	1978
1979	0.400	0.375	18.4	15.2	15.3	21.6	18.7	18.1	5.95	0.789	0.607	0.896	9.77	1979
1980	0.378	0.799	4.03	20.5	20.6	23.8	20.1	18.8	8.54	1.41	1.01	0.885	10.1	1980
1981	1.42	2.50	12.6	13.1	26.4	24.1	19.8	17.8	16.6	1.87	1.36	0.586	11.6	1981
1982	0.098	0.180	3.66	20.5	20.7	20.0	18.0	0.827	0.568	1.12	0.666	0.501	7.26	1982
MEAN	0.906	1.72	6.16	14.0	17.7	19.0	16.2	14.4	9.31	2.84	1.75	1.00	8.95	MEAN

LOCATION - LAT 49 08 37 N DRAINAGE AREA, 2 720 km²
LONG 112 04 44 W REGULATED SINCE 1916

INTERNATION/L GAUGING STATION

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	131 ON MAY 23	---	---	---	1909
1910	---	---	---	---	1910
1911	---	58.0 ON JUN 26	---	---	1911
1912	---	42.5 ON APR 3	0.283B ON DEC 11	129 000	1912
1913	55.2 ON APR 14	53.5 ON APR 14	0.198B ON JAN 1	139 000	1913
1914	---	25.8 ON APR 6	0.028B ON FEB 9	73 200	1914
1915	---	34.8 ON JUN 26	0.595B ON JAN 21	157 000	1915
1916	---	101 B ON FEB 17	0.340B ON FEB 1	281 000	1916
1917	---	94.3 ON APR 7	0.963B ON DEC 14	311 000	1917
1918	---	28.3B ON MAR 28	0.241B ON NOV 20	171 000	1918
1919	---	21.3A ON MAY 10	0.045B ON DEC 15	171 000	1919
1920	---	83.3A ON APR 21	0.227B ON DEC 27	259 000	1920
1921	---	45.9B ON APR 3	0.071B ON DEC 28	137 000	1921
1922	---	54.7A ON APR 23	0 B ON JAN 19 *	179 000	1922
1923	37.4 ON JUN 23	36.5 ON JUN 23	0 B ON JAN 1	170 000	1923
1924	57.2B AT 00:00 MST ON APR 7	52.1 ON JUN 9	0.113B ON JAN 1	207 000	1924
1925	59.5B AT 12:00 MST ON MAR 30	44.2B ON MAR 30	0.059B ON JAN 20	304 000	1925
1926	21.8 AT 21:00 MST ON JUN 20	19.5 ON JUN 20	0.079B ON DEC 16	152 000	1926
1927	247 ON MAY 22	120 ON MAY 22	0 B ON JAN 24	369 000	1927
1928	112 B ON MAR 21	89.2B ON MAR 22	1.47 B ON JAN 1	347 000	1928
1929	55.5 AT 09:00 MST ON JUN 3	54.4 ON JUN 3	0.498B ON NOV 19	291 000	1929
1930	79.9B AT 11:25 MST ON MAR 30	65.7B ON MAR 30	0.867B ON JAN 16	255 000	1930
1931	16.1 AT 13:00 MST ON JUL 3	15.6 ON AUG 1	0.255B ON DEC 19	184 000	1931
1932	34.5 AT 23:00 MST ON MAY 5	31.7 ON MAY 6	0.042B ON DEC 12	271 000	1932
1933	37.7 AT 02:00 MST ON APR 24	32.0 ON APR 24	0.042B ON FEB 8	287 000	1933
1934	48.7 AT 13:00 MST ON JUN 9	46.2 ON JUN 9	0.057B ON JAN 1	318 000	1934
1935	103 AT 20:00 MST ON APR 17	67.1 ON APR 17	0 B ON JAN 15	278 000	1935
1936	95.1 AT 20:45 MST ON APR 11	59.7 ON APR 12	0 B ON FEB 24	235 000	1936
1937	109 AT 01:30 MST ON JUN 14	83.3 ON JUN 14	0.028B ON JAN 1	255 000	1937
1938	37.7 ON APR 12	31.7 ON MAY 20	0 B ON FEB 15	283 000	1938
1939	24.6 AT 19:00 MST ON JUN 16	24.3 ON JUN 17	0.085B ON OCT 24	239 000	1939
1940	22.2 AT 18:30 MST ON JUL 16	21.4 ON JUL 28	0 B ON JAN 28	189 000	1940
1941	22.5 ON JUN 6	22.3 ON JUN 6	0.113B ON DEC 31	180 000	1941
1942	50.4 AT 21:00 MST ON APR 3	42.2 ON APR 4	0 B ON JAN 4	298 000	1942
1943	---	41.3B ON MAR 30	0.028B ON JAN 29	286 000	1943
1944	18.3 AT 12:00 MST ON MAY 21	17.8 ON MAY 22	0.085B ON DEC 31	159 000	1944
1945	32.0E ON JUN 8	31.4E ON JUN 8	0.028B ON JAN 2	260 000	1945
1946	22.3 AT 12:00 MST ON JUN 23	21.4 ON MAY 31	0.085B ON FEB 2	284 000	1946
1947	151 AT 09:00 MST ON MAY 22	89.2B ON MAR 22	0.255B ON JAN 4	325 000	1947
1948	174 AT 18:15 MST ON JUN 18	144 ON JUN 18	0.142B ON FEB 9	390 000	1948
1949	31.7 AT 11:30 MST ON MAY 21	31.4 ON MAY 21	0.085B ON DEC 30	266 000	1949
1950	58.9 AT 00:00 MST ON APR 17	47.0 ON APR 18	0 B ON JAN 21	339 000	1950
1951	166 AT 20:00 MST ON JUN 25	120 ON JUN 25	0.170B ON FEB 12	423 000	1951
1952	67.4B AT 01:30 MST ON MAR 30	62.9B ON MAR 30	0.850B ON NOV 19	312 000	1952
1953	204 AT 21:00 MST ON JUN 4	169 ON JUN 4	0.566B ON JAN 11	435 000	1953
1954	65.7B AT 22:30 MST ON APR 6	41.9 ON APR 18	0.453B ON JAN 19	322 000	1954
1955	97.1 AT 19:00 MST ON MAY 19	77.3 ON MAY 20	0.311B ON JAN 11	292 000	1955
1956	58.9 AT 22:00 MST ON JUL 4	52.1 ON JUL 5	0.311B ON DEC 13	372 000	1956
1957	38.2 AT 09:00 MST ON MAY 9	37.4 ON MAY 9	0.142B ON FEB 10	311 000	1957
1958	62.0 AT 04:00 MST ON APR 2	51.3 ON APR 5	0.255B ON FEB 11	324 000	1958
1959	40.5 AT 07:00 MST ON MAY 20	38.8 ON MAY 20	0.566B ON JAN 13	394 000	1959
1960	82.1B AT 20:30 MST ON MAR 21	62.3B ON MAR 21	0.340B ON MAR 6	323 000	1960
1961	30.3 AT 23:00 MST ON MAY 18	28.3 ON MAY 18	0.159B ON DEC 13	302 000	1961
1962	31.1 AT 15:00 MST ON APR 16	30.3 ON APR 16	0.096B ON MAR 14	300 000	1962
1963	---	29.4B ON FEB 7	0.028B ON JAN 23	305 000	1963
1964	230 AT 23:00 MST ON JUN 9	129 ON JUN 9	0.113B ON JAN 23	340 000	1964
1965	64.6 AT 16:30 MST ON JUN 27	62.6B ON APR 8	0.142B ON JAN 1	371 000	1965
1966	97.4 AT 18:00 MST ON JUN 5	69.9 ON JUN 5	0.159B ON JAN 12	353 000	1966
1967	146 AT 23:00 MST ON MAY 9	118 ON MAY 9	0.714B ON NOV 26	394 000	1967
1968	49.0 AT 21:45 MST ON JUN 8	41.1 ON JUN 9	0.578B ON JAN 9	395 000	1968
1969	114 AT 00:40 MST ON APR 2	106 ON APR 2	0.544B ON JAN 16	378 000	1969
1970	47.0 AT 19:30 MST ON JUN 14	42.2 ON JUN 15	0.204B ON JAN 15	305 000	1970
1971	34.3B AT 13:30 MST ON FEB 15	33.7B ON FEB 15	0.074B ON DEC 28	314 000	1971
1972	132 B AT 00:30 MST ON MAR 18	105 B ON MAR 17	0.025B ON JAN 25	434 000	1972
1973	23.5 AT 22:50 MST ON MAY 25	23.1 ON MAY 26	0.232B ON DEC 29	220 000	1973
1974	50.4 AT 21:30 MST ON MAY 1	44.5 ON MAY 1	0.136B ON JAN 13	340 000	1974
1975	260 AT 10:50 MST ON JUN 21 *	207 ON JUN 21 *	0.074B ON FEB 13	325 000	1975
1976	---	34.3 ON MAR 19	0.878E ON OCT 22	392 000	1976
1977	22.4 AT 12:10 MST ON MAY 19	22.3 ON MAY 19	0.283B ON DEC 8	155 000	1977
1978	---	70.8B ON MAR 22	0.311B ON JAN 1	269 000	1978
1979	---	49.8B ON MAR 9	0.142B ON NOV 20	308 000	1979
1980	60.5 AT 16:50 MST ON MAY 27	55.6 ON MAY 27	0.071B ON JAN 29	319 000	1980
1981	59.7 AT 23:05 MST ON MAY 16	57.6 ON MAY 17	0.129B ON DEC 31	365 000	1981
1982	136 AT 02:55 MST ON APR 14	112 A ON APR 14	0.010B ON FEB 5	229 000	1982
				282 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)　　B - ICE CONDITIONS　　E - ESTIMATED　　* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.14	2.40	---	---	---	1909
1910	---	---	---	5.37	5.27	2.54	0.819	0.305	1.57	1.32	---	---	2.45	1910
1911	---	---	---	10.4	11.0	10.8	6.44	3.15	11.8	5.00	---	---	8.33	1911
1912	---	---	---	---	9.24	3.60	3.87	2.05	1.80	2.33	---	---	---	1912
1913	---	---	---	20.8	14.0	8.78	4.22	2.69	0.899	2.01	---	---	7.58	1913
1914	---	---	---	10.1	4.11	2.31	0.723	0.312	0.658	4.39	---	---	3.22	1914
1915	---	---	---	7.36	6.38	16.4	9.06	5.28	5.97	5.06	---	---	7.91	1915
MEAN	---	---	---	10.8	8.33	7.41	4.19	2.30	3.55	3.22	---	---	5.90	MEAN

LOCATION - LAT 49 08 00 N   DRAINAGE AREA, 5 730 km²
LONG 111 02 00 W   NATURAL FLOW

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.35 ON APR 16	0.181E ON AUG 8	45 200	1910
1911	---	43.6 ON JUN 26	1.87 E ON SEP 2	154 000	1911
1912	---	33.7 ON MAY 24	---	---	1912
1913	---	45.0 ON APR 13	0.708 ON SEP 10	140 000	1913
1914	---	21.7 ON APR 8	0 ON AUG 6 *	59 600	1914
1915	---	53.0 ON JUN 6 *	2.44 ON MAY 1	146 000	1915
				109 000	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	1.07	1.83	0.963	0.254	0.076	0.105	0.192	0.267	---	---	0.592	1931
1932	---	---	---	3.17	3.66	2.31	0.434	0.275	0.144	0.316	---	---	---	1932
1933	---	---	0.998	4.16	7.03	3.25	0.685	0.262	0.322	0.550	---	---	2.15	1933
1934	---	---	4.15	8.35	4.83	5.52	1.25	0.291	0.465	1.02	---	---	3.22	1934
1935	---	1.05	1.14	9.60	5.27	2.21	0.432	0.135	0.187	0.302	---	---	2.39	1935
1936	---	---	1.41	6.27	1.63	0.463	0	0.008	0	0	---	---	1.21	1936
1937	---	---	0.286	7.32	4.72	6.78	0.696	0.250	0.235	0.396	---	---	2.56	1937
1938	---	---	2.19	4.98	5.62	3.33	2.21	0.493	0.266	0.424	---	---	2.43	1938
1939	---	---	3.00	2.56	1.51	1.13	0.085	0	0	0.060	---	---	1.04	1939
1940	---	---	1.24	2.51	1.11	0.191	0.102	0.006	0	0.138	---	---	0.659	1940
1941	---	---	0.681	1.17	0.378	0.882	0.470	0.006	0.168	0.283	---	---	0.503	1941
1942	---	---	0.612	6.95	3.75	5.31	1.29	0.706	0.627	0.509	---	---	2.45	1942
1943	---	---	---	8.80	6.88	9.11	2.71	0.787	0.504	0.614	---	---	---	1943
1944	---	---	0.441	1.68	0.664	0.558	0.137	0.024	0	0	---	---	0.434	1944
1945	---	---	0.710	1.20	2.21	4.19	0.776	0.049	0.153	0.306	---	---	1.19	1945
1946	---	---	1.36	2.02	1.97	1.37	0.520	0.083	0.355	0.758	---	---	1.05	1946
1947	---	---	7.88	8.72	6.67	3.73	1.04	0.666	1.03	1.07	---	---	3.84	1947
1948	---	---	0.726	14.1	10.5	21.6	5.16	1.94	0.857	0.957	---	---	6.92	1948
1949	---	---	1.11	7.81	3.97	1.58	0.529	0.083	0.271	0.740	---	---	2.00	1949
1950	---	---	1.12	10.9	12.4	10.7	4.27	1.40	0.619	0.960	---	---	5.27	1950
1951	---	---	2.11	14.4	14.3	14.4	9.86	4.02	4.77	3.78	---	---	8.42	1951
1952	---	---	4.51	15.6	6.57	3.10	1.54	0.709	0.533	0.561	---	---	4.11	1952
1953	---	---	1.48	12.7	12.8	24.8	4.04	1.53	1.09	1.03	---	---	7.37	1953
1954	---	---	2.10	10.6	16.8	7.63	2.43	1.42	1.41	1.75	---	---	5.50	1954
1955	---	---	1.01	8.31	12.7	5.63	3.40	0.669	0.367	0.710	---	---	4.09	1955
1956	---	---	2.77	6.17	8.55	4.27	3.57	1.31	0.648	0.657	---	---	3.89	1956
1957	---	---	2.04	6.17	9.72	4.26	0.629	0.200	0.420	0.684	---	---	3.01	1957
1958	---	---	1.25	7.80	2.69	3.32	1.62	0.393	0.312	0.644	---	---	2.24	1958
1959	---	---	3.63	8.09	9.46	4.39	1.24	0.369	0.523	1.03	---	---	3.58	1959
1960	---	---	8.10	3.11	5.73	1.71	0.343	0.251	0.001	0.139	---	---	2.43	1960
1961	---	---	1.93	2.09	4.86	1.41	0.305	0.036	0.086	0.430	---	---	1.40	1961
1962	---	---	3.22	7.56	3.05	1.57	0.281	0.136	0.065	0.295	---	---	2.01	1962
1963	---	2.80	1.25	1.54	1.47	2.22	1.18	0.002	0	0	---	---	0.954	1963
1964	---	---	0.618	3.43	9.60	15.5	2.12	0.515	1.07	1.08	---	---	4.21	1964
1965	---	---	2.84	18.9	8.06	7.59	2.46	0.733	1.56	0.915	---	---	4.84	1965
1966	---	---	4.37	5.40	3.67	8.09	2.31	0.741	0.456	0.865	---	---	3.22	1966
1967	---	---	3.34	6.02	19.2	12.6	2.43	0.644	0.281	0.594	---	---	5.64	1967
1968	---	---	2.97	3.22	5.67	4.56	1.22	0.913	2.80	1.68	---	---	2.87	1968
1969	---	---	2.58	17.4	3.72	6.59	2.84	0.282	0.146	0.712	---	---	4.24	1969
1970	---	---	0.651	3.39	11.4	5.51	1.19	0.404	0.363	0.539	---	---	2.93	1970
1971	---	---	1.78	9.80	9.19	5.27	1.59	0.300	0.613	0.594	---	---	3.60	1971
1972	---	---	20.3	8.08	10.8	7.34	2.91	1.31	0.87[illegible]	0.921	---	---	6.58	1972
1973	---	---	1.75	2.53	2.37	0.668	0.024	0	0	0	---	---	0.940	1973
1974	---	---	1.90	6.84	7.02	3.45	1.09	0.559	0.342	0.440	---	---	2.69	1974
1975	---	---	0.409	4.02	16.5	16.7	5.36	1.88	1.08	1.94	---	---	5.98	1975
1976	---	---	3.53	7.47	6.28	2.94	0.904	0.857	0.160	0.386	---	---	2.81	1976
1977	---	---	0.315	2.18	0.656	0.087	0	0.008	0.041	0.228	---	---	0.436	1977
1978	---	---	13.6	4.62	6.52	4.84	2.78	1.58	3.68	1.04	---	---	4.84	1978
1979	---	---	6.69	8.90	8.80	2.97	0.734	0.277	0.109	0.264	---	---	3.84	1979
1980	---	---	1.06	7.15	4.51	4.10	0.526	0.567	0.499	0.670	---	---	2.37	1980
1981	---	---	1.84	2.41	8.24	4.42	1.10	0.346	0.070	0.504	---	---	2.37	1981
1982	---	---	0.949	11.1	5.43	3.81	1.22	0.086	0.121	0.532	---	---	2.88	1982
MEAN	---	1.93	2.78	6.68	6.58	5.39	1.66	0.589	0.590	0.680	---	---	3.12	MEAN

LOCATION - LAT 49 00 30 N LONG 112 32 40 W   DRAINAGE AREA, 1 050 km² REGULATED   INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	7.79 AT 07:30 MST ON APR 7	6.51 ON APR 7	0 ON JUL 31 *	12 500	1931
1932	12.3 AT 17:00 MST ON MAY 5	9.66 ON MAY 5	---	---	1932
1933	14.0 AT 07:00 MST ON APR 29	12.7 ON APR 29	0.057 ON AUG 17	45 500	1933
1934	37.4 AT 02:00 MST ON JUN 9	22.9 ON JUN 9	0.232 ON AUG 19	68 000	1934
1935	---	50.7 ON APR 17	0.045 ON AUG 14	50 600	1935
1936	48.2 B ON APR 11	27.7 B ON APR 11	0 B ON MAR 1	25 600	1936
1937	72.5 AT 10:30 MST ON JUN 13	50.7 ON JUN 13	0.023A ON AUG 31	54 200	1937
1938	15.9 AT 01:00 MST ON JUN 27	11.3 B ON APR 11	0.125 ON SEP 24	51 600	1938
1939	12.2 B AT 19:00 MST ON MAR 25	9.94B ON MAR 23	0 ON JUL 19	22 000	1939
1940	15.3 AT 19:00 MST ON JUL 4	4.22 ON APR 26	0 ON JUN 29	13 900	1940
1941	8.30 AT 20:00 MST ON JUN 13	2.83 ON JUN 5	0 B ON MAR 1	10 600	1941
1942	39.1 AT 21:30 MST ON APR 3	20.5 ON APR 4	0.142B ON MAR 1	51 800	1942
1943	20.0 AT 14:00 MST ON JUN 8	18.8 ON JUN 8	---	---	1943
1944	---	5.32B ON APR 4	0 ON JUL 28	9 190	1944
1945	12.1 AT 20:30 MST ON JUN 7	11.3 ON JUN 7	0 ON AUG 23	25 300	1945
1946	3.99 AT 23:00 MST ON MAY 30	3.51 ON MAR 29	0 ON AUG 13	22 300	1946
1947	61.1 B AT 16:30 MST ON MAR 22	36.8 B ON MAR 22	0.142B ON MAR 4	81 400	1947
1948	135 AT 05:00 MST ON JUN 18	127 ON JUN 18	0.396B ON MAR 6	147 000	1948
1949	---	19.8 B ON APR 7	0.011 ON AUG 27	42 200	1949
1950	39.6 AT 11:00 MST ON APR 17	36.0 ON APR 17	0.504 ON SEP 26	111 000	1950
1951	111 AT 12:00 MST ON JUN 24	60.9 ON JUN 25	0.142B ON MAR 1	178 000	1951
1952	---	31.1 B ON APR 7	0.300A ON AUG 30	87 000	1952
1953	130 AT 11:00 MST ON JUN 4	110 ON JUN 4	0.113B ON MAR 1	156 000	1953
1954	38.2 AT 20:00 MST ON APR 17	28.3 ON APR 18	0.725 ON SEP 14	116 000	1954
1955	75.9 AT 07:00 MST ON MAY 19	62.9 ON MAY 19	0.099 ON SEP 7	86 600	1955
1956	31.4 AT 23:00 MST ON JUL 4	25.3 ON JUL 4	0.113B ON MAR 8	73 900	1956
1957	20.4 AT 23:00 MST ON MAY 8	18.1 ON MAY 5	0.054 ON SEP 16	63 700	1957
1958	27.6 AT 08:00 MST ON APR 9	21.2 ON APR 9	0.082 ON SEP 16	47 300	1958
1959	27.6 B AT 11:00 MST ON APR 4	21.1 ON MAY 2	0.221 ON AUG 14	75 800	1959
1960	62.3 B AT 22:00 MST ON MAR 21	37.7 B ON MAR 21	0 ON SEP 6	51 500	1960
1961	12.2 AT 10:00 MST ON MAY 18	10.9 ON MAY 18	0 ON AUG 21	29 700	1961
1962	23.9 B AT 20:00 MST ON APR 5	17.8 ON APR 6	0 ON AUG 21	42 500	1962
1963	---	5.89 ON JUL 7	0 ON AUG 5	20 200	1963
1964	225 AT 06:00 MST ON JUN 9 *	153 ON JUN 9 *	0.241B ON MAR 6	89 200	1964
1965	---	27.8 B ON APR 10	0.473 ON AUG 20	103 000	1965
1966	52.4 AT 10:30 MST ON JUN 5	45.9 ON JUN 5	0.195B ON MAR 1	68 200	1966
1967	79.3 AT 15:00 MST ON MAY 9	70.2 ON MAY 9	0.164 ON SEP 9	119 000	1967
1968	22.9 AT 12:00 MST ON JUN 8	19.9 ON JUN 8	0.309 ON AUG 10	60 800	1968
1969	---	50.1 B ON APR 2	0.034 ON SEP 13	89 700	1969
1970	29.7 AT 13:53 MST ON MAY 8	27.9 ON MAY 8	0.057 ON SEP 7	62 000	1970
1971	19.9 AT 17:00 MST ON MAY 7	18.4 ON MAY 7	0.108 ON AUG 22	76 200	1971
1972	116 B AT 18:00 MST ON MAR 17	99.7 B ON MAR 17	0.085B ON MAR 1	139 000	1972
1973	4.90 AT 18:30 MST ON APR 25	4.59 ON APR 25	0 ON JUL 12	19 900	1973
1974	24.6 AT 08:30 MST ON MAY 1	21.8 ON MAY 1	0.224 ON SEP 23	57 000	1974
1975	201 AT 18:10 MST ON JUN 20	118 ON JUN 20	0.122B ON MAR 8	127 000	1975
1976	---	15.4 B ON MAR 18	0.099 ON SEP 21	59 400	1976
1977	8.10 AT 22:50 MST ON APR 9	7.76 ON APR 10	0 ON JUL 3	9 230	1977
1978	---	67.4 B ON MAR 21	0.059B ON MAR 5	102 000	1978
1979	---	29.2 B ON MAR 12	0.019 ON OCT 1	81 400	1979
1980	32.1 AT 09:00 MST ON MAY 27	29.3 ON MAY 27	0.007 ON AUG 8	50 100	1980
1981	39.9 AT 00:50 MST ON MAY 17	31.8 ON MAY 17	0.012 ON SEP 24	50 100	1981
1982	---	61.7 B ON APR 13	0.001 ON SEP 11	60 900	1982
MEAN				65 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.30	2.20	---	---	---	1909
1910	---	---	---	5.77	5.22	3.06	0.887	0.495	1.49	1.38	---	---	2.60	1910
1911	---	---	---	8.89	10.5	9.46	4.52	2.72	6.87	3.79	---	---	6.65	1911
1912	---	---	---	---	---	---	---	1.93	1.81	2.21	---	---	---	1912
1913	---	---	---	21.3	11.8	7.89	3.94	2.03	1.36	2.28	1.90	---	7.18	1913
1914	---	---	---	8.39	4.52	2.41	0.842	0.491	0.730	3.32	---	---	2.95	1914
1915	---	---	---	6.04	5.77	13.2	7.79	4.60	6.43	4.91	---	---	6.94	1915
MEAN	---	---	---	10.1	7.56	7.20	3.60	2.04	3.00	2.87	1.90	---	5.26	MEAN

LOCATION - LAT 49 05 00 N LONG 111 39 00 W DRAINAGE AREA, 4 260 km^2 NATURAL FLOW

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.72 ON JUN 11	0.368 ON AUG 2	48 200	1910
1911	---	58.6 ON JUN 26 *	1.16 ON AUG 25	123 000	1911
1912	---	---	---	---	1912
1913	---	53.2 B ON APR 13	0.991 ON SEP 13	133 000	1913
1914	---	18.0 ON APR 16	0.062 ON AUG 8 *	54 500	1914
1915	---	31.7 ON JUN 6	2.35 ON MAY 1	129 000	1915
				97 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	6.79	5.54	2.25	1.25	0.643	1.48	0.883	0.553	---	1913
1914	---	---	---	---	---	7.79	0.489	0.409	0.472	1.77	1.01	0.500	---	1914
1915	0.347	0.631	2.08	3.39	3.54	7.07	4.31	1.78	3.35	2.28	1.60	1.23	3.39	1915
1916	0.757	11.1	10.8	5.59	7.03	10.2	4.94	2.46	2.08	2.20	1.59	1.02	5.70	1916
1917	0.731	0.727	0.701	12.2	16.7	9.20	2.60	1.08	0.978	1.12	1.31	0.626	5.53	1917
1918	1.81	0.463	2.00	5.10	3.97	1.95	0.795	0.461	0.439	0.562	0.380	0.288	1.91	1918
1919	0.280	0.210	0.496	2.53	1.98	0.584	0.022	0.001	0.015	0.231	---	---	0.729	1919
1920	---	---	---	---	10.8	3.03	1.09	0.461	0.327	0.424	---	---	---	1920
1921	---	---	---	4.54	5.08	2.75	0.795	0.242	0.223	0.275	---	---	---	1921
1922	---	---	0.229	4.33	6.51	3.61	1.51	0.382	0.211	0.286	---	---	2.12	1922
1923	---	---	0.466	3.65	4.90	4.05	1.24	0.658	0.338	0.369	---	---	2.00	1923
1924	---	---	0.718	3.07	2.81	6.12	1.23	0.765	0.347	0.304	---	---	1.91	1924
1925	---	---	---	12.5	7.91	3.45	1.61	0.639	0.641	1.33	---	---	---	1925
1926	---	---	1.10	1.69	0.668	0.517	0.111	0.031	0.452	0.509	---	---	0.632	1926
1927	---	---	---	---	15.5	18.1	4.37	3.52	5.15	3.44	---	---	---	1927
1928	---	---	---	6.69	6.91	5.89	5.66	1.93	1.29	2.16	---	---	---	1928
1929	---	---	---	5.65	4.90	4.95	1.19	0.315	0.272	0.713	---	---	---	1929
1930	---	---	4.03	9.21	5.95	3.32	0.876	0.299	0.463	0.542	---	---	3.07	1930
MEAN	0.785	2.59	2.26	5.66	6.73	4.96	1.93	0.927	0.983	1.11	1.13	0.696	2.70	MEAN

LOCATION - LAT 48 56 00 N   DRAINAGE AREA, 747 km^2 INTERNATIONAL GAUGING STATION
LONG 112 49 00 W   REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	13.0 ON APR 12	---	---	1914
1915	---	23.4 ON JUN 5	0.368 ON MAR 11	71 700	1915
1916	---	46.4 A ON MAR 10	1.27 A ON SEP 24	121 000	1916
1917	---	33.1 ON APR 8	0.566A ON MAR 3	117 000	1917
1918	---	9.83 ON APR 9	0.144 ON AUG 29	40 400	1918
1919	---	7.03 ON APR 1	0 ON AUG 1 *	15 400	1919
1920	---	26.1 ON APR 27	---	---	1920
1921	---	11.2 ON APR 13	---	---	1921
1922	---	9.54 ON MAY 6	0.028B ON MAR 1	44 900	1922
1923	---	13.2 ON JUN 22	0.079B ON MAR 1	42 300	1923
1924	---	22.8 ON JUN 8	0.224 ON OCT 13	40 400	1924
1925	---	---	---	---	1925
1926	---	7.08E ON APR 13	0.003 ON AUG 19	13 400	1926
1927	---	47.6 ON MAY 30 *	---	---	1927
1928	---	20.6 ON JUL 1	---	---	1928
1929	---	15.5 ON JUN 3	---	---	1929
1930	---	31.1 ON MAR 29	0.170 ON AUG 26	65 000	1930
				57 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	13.9	19.3	20.3	---	2.61	---	---	---	1978
1979	---	---	---	---	---	31.5	---	---	---	1.05	---	---	---	1979
1980	---	---	---	---	18.6	23.3	18.9	18.9	10.4	1.61	---	---	15.3	1980
1981	---	---	---	---	27.2	25.3	21.6	17.7	15.8	3.20	---	---	18.4	1981
1982	---	---	---	---	21.2	21.7	18.9	1.86	0.526	1.23	---	---	10.8	1982
MEAN	---	---	---	---	22.3	21.1	19.6	14.6	8.91	1.94	---	---	14.8	MEAN

LOCATION - LAT 49 07 25 N   DRAINAGE AREA, 6 640 km^2 INTERNATIONAL GAUGING STATION
LONG 110 52 15 W   REGULATED SINCE 1916

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	104 AT 04:00 MST ON AUG 24 *	72.2 ON AUG 24 *	---	---	1978
1979	---	---	---	---	1979
1980	51.4 AT 19:00 MST ON MAY 28	44.5 ON MAY 28	1.16 A ON OCT 8	243 000	1980
1981	67.8 AT 08:00 MST ON MAY 18	61.0 ON MAY 18	1.78 ON OCT 31	293 000	1981
1982	34.3 AT 17:20 MST ON MAY 30	31.9 ON MAY 30	0.270E ON SEP 11 *	172 000	1982
				236 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	14.5	20.0	20.8	13.4	2.44	---	---	---	1978
1979	---	---	---	---	17.9	22.7	20.4	18.9	6.83	1.01	---	---	14.6	1979
1980	---	---	---	---	21.7	25.0	20.8	19.4	9.47	1.43	---	---	16.3	1980
1981	---	---	---	---	28.5	27.0	20.5	18.1	16.1	2.27	---	---	18.7	1981
1982	---	---	---	---	20.6	20.6	19.5	0.865	0.564	1.18	---	---	10.5	1982
MEAN	---	---	---	---	22.2	22.0	20.2	15.6	9.19	1.67	---	---	15.0	MEAN

LOCATION - LAT 49 05 18 N   DRAINAGE AREA, 4 390 km^2 INTERNATIONAL GAUGING STATION
LONG 111 32 05 W   REGULATED SINCE 1916

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	94.9 AT 16:30 MST ON AUG 23 *	77.3 ON AUG 23 *	---	---	1978
1979	---	31.7 ON MAY 8	0.749 ON OCT 5	231 000	1979
1980	60.3 AT 01:20 MST ON MAY 28	51.2 ON MAY 28	1.04 ON OCT 12	259 000	1980
1981	61.8 AT 13:05 MST ON MAY 17	52.4 ON MAY 17	1.66 ON OCT 10	298 000	1981
1982	34.7 AT 19:25 MST ON MAY 29	32.6 ON MAY 29	0.389 ON SEP 9 *	168 000	1982
				239 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.479	3.09	2.79	---	---	---	1910
1911	---	---	---	3.01	9.12	13.3	3.16	5.84	12.1	2.81	---	---	7.02	1911
1912	---	---	---	1.94	5.92	3.67	4.30	1.38	0.890	1.19	---	---	2.76	1912
1913	---	---	---	---	8.14	8.83	2.88	1.88	1.02	2.03	---	---	---	1913
1914	---	---	---	---	6.41	5.89	2.46	1.72	1.37	4.30	---	---	---	1914
1915	---	---	---	---	13.5	12.1	5.66	3.46	2.73	3.07	---	---	---	1915
1916	---	---	---	3.09	7.18	15.5	6.90	1.56	1.30	1.24	---	---	5.23	1916
1917	---	---	---	---	12.3	15.5	3.20	0.872	0.642	0.497	0.473	0.270	---	1917
1918	0.552	0.473	0.476	2.31	6.57	5.23	0.892	0.911	1.38	1.02	0.866	0.470	2.61	1918
1919	0.289	0.351	0.496	1.61	7.92	3.48	0.818	0.457	0.337	0.459	0.600	0.411	2.16	1919
1920	0.323	0.341	0.521	---	---	---	---	---	---	---	---	---	---	1920
1967	---	---	---	---	11.9	13.5	3.44	0.989	0.648	0.533	---	---	---	1967
1968	---	---	0.547	0.985	5.26	6.96	2.31	1.25	3.17	3.37	---	---	3.32	1968
1969	---	---	1.11	3.77	5.90	10.8	4.06	0.923	0.528	0.591	---	---	3.78	1969
1970	---	---	0.572	1.94	7.95	10.5	1.98	0.747	0.667	0.593	---	---	3.47	1970
1971	---	---	0.305	1.73	8.39	7.24	2.09	0.830	0.595	0.602	---	---	3.07	1971
1972	---	---	1.23	2.61	12.4	10.8	4.74	1.89	1.13	1.28	---	---	4.98	1972
1973	---	---	0.422	1.03	4.30	3.31	1.05	0.601	0.516	0.393	---	---	1.60	1973
1974	---	---	0.467	2.02	7.79	12.6	3.05	1.34	0.780	0.552	---	---	4.00	1974
1975	---	---	0.329	0.827	11.0	24.4	5.61	1.63	1.01	0.994	---	---	6.46	1975
1976	---	---	0.737	1.93	8.14	4.59	2.28	2.48	0.942	0.643	---	---	3.01	1976
1977	---	---	---	0.561	1.24	1.17	0.574	0.585	0.554	0.450	---	---	0.727	1977
1978	---	---	---	1.08	6.02	6.45	3.01	1.22	1.07	0.843	---	---	2.81	1978
1979	---	---	---	1.38	7.56	4.38	1.41	0.779	0.511	0.419	---	---	2.35	1979
1980	---	---	---	1.66	6.77	6.00	1.35	0.819	1.01	0.898	---	---	2.64	1980
1981	---	---	---	1.58	14.6	7.39	2.55	1.42	0.673	0.495	---	---	4.12	1981
1982	---	---	0.216	0.794	2.55	7.31	2.35	0.913	0.615	0.579	---	---	2.15	1982
MEAN	0.388	0.388	0.571	1.79	7.95	8.84	2.88	1.42	1.51	1.26	0.646	0.384	3.41	MEAN

LOCATION - LAT 49 28 10 N   DRAINAGE AREA, 179 km^2
LONG 114 08 00 W   NATURAL FLOW

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	46.4 ON SEP 4	1.39 ON APR 4	130 000	1911
1912	---	11.5 ON MAY 21	0.167 ON APR 1 *	51 100	1912
1913	---	15.3 ON JUN 28	---	---	1913
1914	---	11.7 ON OCT 17	---	---	1914
1915	---	19.4 ON MAY 14	---	---	1915
1916	---	19.2 ON JUN 20	0.963 ON AUG 8	96 700	1916
1917	---	27.0 ON MAY 25	---	---	1917
1918	---	10.9 ON MAY 4	0.396 ON JUL 18	48 200	1918
1919	---	15.7 ON MAY 27	0.303 ON SEP 14	39 900	1919
1920	---	0 ON 5(: 0	900 000 ON 5(: 0	---	1920
1967	31.4 AT 23:00 MST ON MAY 21	27.1 ON MAY 22	---	---	1967
1968	20.0 AT 18:30 MST ON JUN 7	15.9 ON JUN 8	0.535 ON APR 8	61 400	1968
1969	54.1 AT 09:23 MST ON JUN 26	43.3 ON JUN 26	0.476 ON SEP 19	70 000	1969
1970	44.5 AT 17:50 MST ON JUN 13	30.6 ON JUN 14	0.297B ON OCT 29	64 100	1970
1971	15.2 AT 08:30 MST ON MAY 6	14.0 ON MAY 27	0.340B ON APR 3	56 700	1971
1972	31.7 AT 07:20 MST ON MAY 25	28.2 ON JUN 1	0.966 ON SEP 21	92 100	1972
1973	11.7 AT 02:30 MST ON MAY 18	10.9 ON MAY 18	0.334 ON OCT 28	29 600	1973
1974	18.5 AT 23:30 MST ON JUN 16	17.6 ON JUN 17	0.326B ON APR 2	74 000	1974
1975	210 AT 23:30 MST ON JUN 19 *	133 ON JUN 19 *	0.255B ON APR 4	119 000	1975
1976	17.4 AT 03:30 MST ON MAY 11	15.9 ON MAY 11	0.592 ON OCT 29	55 600	1976
1977	1.76 AT 09:30 MST ON MAY 15	1.74 ON MAY 15	0.218B ON APR 1	13 400	1977
1978	12.1 AT 00:45 MST ON JUN 6	11.5 ON JUN 6	0.583 ON APR 14	52 000	1978
1979	19.1 AT 01:35 MST ON MAY 27	16.9 ON MAY 27	0.380A ON OCT 30	43 500	1979
1980	38.9 AT 13:20 MST ON MAY 26	32.1 ON MAY 26	0.255B ON APR 1	48 700	1980
1981	---	72.4 E ON MAY 23	0.400E ON OCT 31	76 100	1981
1982	10.3 AT 09:21 MST ON JUN 5	9.97 ON JUN 5	0.223B ON APR 1	39 700	1982
				63 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.193	0.308	1.36	0.377	0.008	0	0	0	---	---	0.281	1967
1968	---	---	0.086	0.043	0.240	0.107	0.126	0	0.067	0.131	---	---	0.100	1968
1969	---	---	0.438	0.261	0.041	0.039	0.109	0	0	0	---	---	0.111	1969
1970	---	---	0.003	0.003	0.002	0.145	0.004	0	0	0	---	---	0.019	1970
1971	---	---	0.015	0.070	0.037	0.270	0	0	0	0	---	---	0.048	1971
1972	---	---	0.152	0.032	0.038	0.005	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.028	0.005	0	0	0	0	---	---	0.004	1974
1975	---	---	0	0.230	0.924	0.594	0.090	0.006	0.009	0.019	---	---	0.234	1975
1976	---	---	0.063	0.031	0.045	0.003	0.008	0	0	0	---	---	0.019	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.579	0.383	0.306	0.132	0.140	0.106	0.207	0.087	---	---	0.233	1978
1979	---	---	0.563	0.517	0.432	0.044	0	0	0	0	---	---	0.195	1979
1980	---	---	0	0.004	0.002	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0.003	0.005	0.080	0.025	0.005	0	0	0	---	---	0.015	1981
1982	---	---	0.079	0.203	0.060	0.503	0.018	0	0	0	---	---	0.106	1982
MEAN	---	---	0.136	0.128	0.225	0.141	0.032	0.007	0.017	0.012	---	---	0.087	MEAN

LOCATION - LAT 49 01 05 N LONG 111 24 10 W DRAINAGE AREA, 109 km^2 REGULATED

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 25 *	---	1966
1967	4.56 AT 04:00 MST ON MAY 9 *	3.82 ON MAY 8 *	0 ON JUL 8	5 940	1967
1968	0.960 AT 20:00 MST ON JUL 1	0.779 ON JUL 2	0 ON JUL 28	2 130	1968
1969	---	2.41 B ON MAR 17	0 ON JUL 26	2 350	1969
1970	1.76 AT 14:20 MST ON JUN 17	1.27 ON JUN 18	0 ON MAR 1	407	1970
1971	4.33 AT 06:00 MST ON JUN 7	2.89 ON JUN 7	0 ON JUN 26	1 020	1971
1972	1.10 AT 18:40 MST ON MAR 17	0.810 ON MAR 17	0 ON MAR 1	602	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	0.142 AT 19:45 MST ON MAY 22	0.127 ON MAY 27	0 ON MAR 1	87.7	1974
1975	3.54 AT 15:40 MST ON MAY 7	3.37 ON MAY 7	0 ON MAR 1	4 950	1975
1976	0.787 AT 15:10 MST ON MAR 18	0.592 ON MAR 18	0 ON MAY 21	400	1976
1977	---	0 E ON MAR 1	0E ON MAR 1	0	1977
1978	3.37 A AT 21:30 MST ON MAR 21	2.66 A ON MAR 21	0 ON AUG 12	4 920	1978
1979	---	2.50 B ON MAR 7	0 ON JUN 27	4 120	1979
1980	0.007B AT 06:25 MST ON APR 3	0.007 ON APR 7	0B ON MAR 1	20.8	1980
1981	0.356 AT 09:40 MST ON MAY 22	0.292 ON MAY 22	0 ON MAR 1	314	1981
1982	2.06 AT 13:30 MST ON JUN 3	1.80 ON JUN 4	0B ON MAR 1	2 240	1982
				1 840	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	9.57	---	---	---	---	1950
1951	---	---	---	---	---	12.2	25.6	15.9	5.67	2.62	---	---	---	1951
1952	---	---	---	---	---	15.6	20.6	17.9	6.35	4.00	---	---	---	1952
1953	---	---	---	---	---	14.8	21.9	15.7	7.76	3.23	---	---	---	1953
1954	---	---	---	---	---	16.0	25.6	17.7	10.9	---	---	---	---	1954
1955	---	---	---	---	---	14.1	24.6	14.5	9.05	---	---	---	---	1955
1956	---	---	---	---	---	17.3	20.8	17.0	7.71	---	---	---	---	1956
1957	---	---	---	---	---	15.1	15.7	12.4	8.09	---	---	---	---	1957
1958	---	---	---	---	---	20.3	21.3	20.6	8.89	---	---	---	---	1958
1959	---	---	---	---	---	17.5	22.2	12.5	7.97	3.01	---	---	---	1959
1960	---	---	---	---	2.74	11.7	25.0	16.2	7.74	3.14	---	---	---	1960
1961	---	---	---	---	8.90	25.5	18.0	18.9	7.10	4.06	---	---	---	1961
1962	---	---	---	---	4.65	13.1	18.5	16.5	7.14	3.17	---	---	---	1962
1963	---	---	---	---	---	18.2	21.3	20.2	14.4	5.50	---	---	---	1963
1964	---	---	---	---	3.29	21.7	25.2	15.0	8.72	5.77	---	---	---	1964
1965	---	---	---	---	4.41	16.8	25.3	24.4	10.7	7.35	---	---	---	1965
1966	---	---	---	0.878	6.63	12.6	22.5	17.9	11.2	4.80	2.21	0.894	---	1966
1967	0.729	0.852	0.979	0.933	4.47	22.7	23.4	18.7	14.0	5.48	2.14	1.20	8.00	1967
1968	0.850	0.465	0.322	0.829	5.18	16.4	21.8	14.8	8.64	3.11	1.69	1.02	6.29	1968
1969	0.814	0.712	0.656	2.14	7.10	20.1	16.9	14.9	7.01	2.69	1.72	0.970	6.33	1969
1970	0.607	0.583	0.639	0.734	3.26	19.1	20.1	16.8	6.12	2.10	1.20	0.688	6.03	1970
1971	0.565	0.557	0.534	1.04	7.34	16.1	16.7	21.0	7.69	2.63	1.46	1.787	6.41	1971
1972	0.680	0.464	0.533	0.700	7.49	23.4	17.7	18.9	7.16	2.82	1.37	0.936	6.87	1972
1973	0.801	0.756	0.798	0.799	6.62	14.6	17.6	15.3	6.50	2.87	1.70	1.01	5.82	1973
1974	0.765	0.880	0.791	1.10	3.92	20.0	19.9	16.1	8.36	3.03	2.07	1.10	6.52	1974
1975	0.756	0.516	0.481	0.804	3.04	9.75	23.5	12.6	6.02	2.98	2.15	1.09	5.35	1975
1976	0.835	0.849	0.825	1.10	7.88	9.84	22.7	20.5	13.0	4.13	1.29	1.02	7.04	1976
1977	0.691	0.677	0.591	1.27	5.21	15.9	15.1	17.4	5.46	2.15	1.34	0.898	5.60	1977
1978	0.652	0.409	0.303	0.756	3.99	15.2	24.4	15.5	12.5	3.55	2.10	1.25	6.76	1978
1979	0.763	0.630	0.660	0.641	4.64	15.8	21.3	17.4	9.97	4.23	1.60	1.02	6.60	1979
1980	0.611	0.434	0.406	2.31	11.9	18.0	17.4	11.1	5.84	4.05	1.02	1.07	6.24	1980
1981	0.903	0.584	0.537	3.701	9.72	10.6	22.6	19.6	9.08	2.58	1.40	1.10	6.68	1981
1982	0.615	0.551	0.752	0.710	3.45	19.3	21.1	16.4	12.3	3.52	1.79	1.10	6.83	1982
MEAN	0.726	0.617	0.613	1.03	5.72	16.5	21.1	16.9	8.75	3.65	1.69	1.01	6.46	MEAN

LOCATION - LAT 51 53 00 N DRAINAGE AREA, 249 km²
LONG 116 41 20 W NATURAL FLOW

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1950	---	---	---	---	1950
1951	36.2 AT 05:00 MST ON JUL 19	34.8 ON JUL 19	---	---	1951
1952	27.8 ON AUG 15	26.6 ON JUN 30	---	---	1952
1953	65.4 AT 05:00 MST ON JUL 15 *	58.6 ON JUL 15 *	---	---	1953
1954	38.5 AT 09:00 MST ON JUL 8	37.4 ON JUL 8	---	---	1954
1955	49.8 AT 07:00 MST ON JUL 18	49.0 ON JUL 18	---	---	1955
1956	33.7 AT 05:00 MST ON JUL 23	32.0 ON JUL 23	---	---	1956
1957	25.9 AT 12:00 MST ON JUN 8	25.0 ON JUN 8	---	---	1957
1958	36.2 AT 16:00 MST ON JUN 28	34.0 ON JUN 28	---	---	1958
1959	35.7 AT 09:00 MST ON JUL 25	34.8 ON JUL 25	---	---	1959
1960	34.0 AT 06:00 MST ON JUL 20	33.1 ON JUL 19	---	---	1960
1961	35.1 AT 16:00 MST ON JUN 7	34.3 ON JUN 7	---	---	1961
1962	27.9 AT 21:00 MST ON JUN 26	26.1 ON JUN 26	---	---	1962
1963	33.4 AT 06:00 MST ON JUL 9	32.6 ON JUL 9	---	---	1963
1964	35.7 AT 04:00 MST ON JUL 10	34.5 ON JUL 14	---	---	1964
1965	---	34.5 ON JUL 9	---	---	1965
1966	---	29.2A ON JUL 9	---	---	1966
1967	32.3 AT 12:00 MST ON JUL 5	31.4 ON JUN 22	0.671B ON JAN 17	252 000	1967
1968	36.2 AT 01:10 MST ON JUL 13	34.3 ON JUL 10	0.255B ON MAR 4 *	199 000	1968
1969	26.5 AT 08:52 MST ON JUN 21	25.9 ON JUN 21	0.510B ON MAR 11	200 000	1969
1970	26.1 AT 09:30 MST ON JUL 9	25.6 ON JUL 9	0.467B ON FEB 25	190 000	1970
1971	29.4 AT 08:00 MST ON JUL 24	29.2 ON AUG 9	0.510B ON FEB 21	202 000	1971
1972	41.1 AT 18:30 MST ON JUN 11	39.9 ON JUN 11	0.453B ON JAN 28	217 000	1972
1973	35.1 AT 21:40 MST ON JUN 24	31.7 ON JUN 24	0.736B ON FEB 9	184 000	1973
1974	44.5 AT 10:20 MST ON JUN 24	43.3 ON JUN 24	0.623B ON MAR 30	206 000	1974
1975	37.9 AT 07:00 MST ON JUL 16	36.2 ON JUL 16	0.481B ON FEB 10	169 000	1975
1976	31.4 AT 11:30 MST ON SEP 6	30.3 ON SEP 6	0.623B ON MAR 29	223 000	1976
1977	26.8 AT 06:00 MST ON JUN 9	24.8 ON JUN 9	0.530B ON MAR 15	177 000	1977
1978	30.9 AT 02:00 MST ON JUL 10	29.4 ON JUL 9	0.278B ON MAR 23	213 000	1978
1979	---	30.0E ON JUL 21	0.560B ON APR 5	208 000	1979
1980	31.4 AT 11:40 MST ON JUN 17	30.7 ON JUN 17	0.362B ON MAR 2	197 000	1980
1981	35.4 AT 03:25 MST ON JUL 15	33.6 ON JUL 15	0.475B ON FEB 18	211 000	1981
1982	34.6 AT 08:00 MST ON JUL 22	33.8 ON JUL 22	0.475B ON FEB 10	216 000	1982
				204 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MODESTE CREEK NEAR BRETON - STATION NO. 05DE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.434	---	---	---	---	---	1972
MEAN	---	---	---	---	---	---	---	0.434	---	---	---	---	---	MEAN

LOCATION - LAT 53 06 15 N DRAINAGE AREA, 374 km²
LONG 114 30 34 W NATURAL FLOW

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	0	0.234	0.058	0.039	0.004	0.061	0.160	0.026	---	---	0.072	1954
1955	---	---	0.114	0.315	0.167	0.020	0.003	0.004	0	0.005	---	---	0.078	1955
1956	---	---	0	4.34	0.564	0.108	0.181	0.044	0.066	0.037	---	---	0.658	1956
1957	---	---	0.141	0.222	0.037	0.009	0	0.014	0.017	0.016	---	---	0.057	1957
1958	---	---	0	1.86	0.045	0.013	0.005	0.011	0	0	---	---	0.237	1958
1959	---	---	0.100	0.017	0.005	0	0	0	0	0.001	---	---	0.015	1959
1960	---	---	0.259	0.024	0	0	0	0	0	0	---	---	0.036	1960
1961	---	---	0.013	0.010	0.002	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0.263	0	0	0.590	0.039	0.008	0	---	---	0.113	1962
1963	---	---	0.749	0.104	0.015	0.050	0.530	0.007	0	0	---	---	0.183	1963
1964	---	---	0	0.006	0.034	0.001	0	0	0.001	0	---	---	0.005	1964
1965	---	---	0	5.18	0.199	0.138	0.082	0.001	0	0.028	---	---	0.691	1965
1966	---	---	0.059	0.056	0.003	0.006	0	0.033	0	0.005	---	---	0.020	1966
1967	---	---	0	0.780	0.297	0.035	0	0	0	0	---	---	0.137	1967
1968	---	---	0.408	0.104	0.004	0.002	0	0	0.005	0	---	---	0.066	1968
1969	---	---	0	3.56	0.100	0	0.004	0	0.027	0	---	---	0.452	1969
1970	---	---	0	1.33	0.051	0.005	0.007	0	0.011	0	---	---	0.172	1970
1971	---	---	0	2.53	0.533	0	0	0.042	0	0	---	---	0.382	1971
1972	---	---	0.005	0.173	0.004	0	0.016	0.004	0.021	0.024	---	---	0.030	1972
1973	---	---	0.026	0.098	0.008	0.949	0.034	0	0	0.025	---	---	0.140	1973
1974	---	---	0	3.80	1.53	0.090	0.001	0.052	0	0.048	---	---	0.683	1974
1975	---	---	0	0.591	0.552	0.069	0.004	0	0.113	0.020	---	---	0.168	1975
1976	---	---	0.114	0.503	0.025	0.011	0.037	0	0	0.002	---	---	0.085	1976
1977	---	---	0.001	0.035	0.496	0.001	0	0	0	0	---	---	0.067	1977
1978	---	---	0.295	0.236	0.003	0.006	0	0	0	0	---	---	0.067	1978
1979	---	---	0.656	0.050	0.029	0	0	0	0	0	---	---	0.093	1979
1980	---	---	0.005	0.068	0	0.003	0.002	0	0	0	---	---	0.010	1980
1981	---	---	0.173	0.071	0.019	0	C	0	0	0	---	---	0.033	1981
1982	---	---	0	0.067	0.012	0.005	0.159	0.003	0	0	---	---	0.031	1982
MEAN	---	---	0.108	0.918	0.165	0.054	0.057	0.011	0.015	0.008	---	---	0.165	MEAN

LOCATION - LAT 51 58 10 N DRAINAGE AREA, 1 440 km²
LONG 110 34 30 W REGULATED

MONITOP CREEK NEAR MONITOR - STATION NO. 05GA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	1.78 B AT 07:45 MST ON APR 14	1.61 B ON APR 14	0B ON MAR 1 *	1 520	1954
1955	2.10 B AT 08:15 MST ON MAR 31	1.95 B ON MAR 31	0B ON MAR 1	1 650	1955
1956	20.3 B AT 21:00 MST ON APR 15 *	18.5 B ON APR 15	0B ON MAR 1	14 000	1956
1957	0.906B AT 13:30 MST ON MAR 23	0.793B ON MAR 24	0B ON MAR 1	1 200	1957
1958	13.1 B AT 10:00 MST ON APR 5	12.7 B ON APR 5	0B ON MAR 1	5 020	1958
1959	0.396B AT 09:00 MST ON MAR 18	0.368B ON MAR 18	0B ON MAR 1	327	1959
1960	---	2.10 B ON MAR 21	0B ON MAR 1	756	1960
1961	0.116 AT 18:30 MST ON APR 3	0.108 ON APR 4	0B ON MAR 1	66.5	1961
1962	5.92 AT 12:00 MST ON JUL 15	4.30 ON JUL 15	0B ON MAR 1	2 390	1962
1963	---	2.70 ON JUL 10	0B ON MAR 1	3 890	1963
1964	---	0.173 ON MAY 7	0B ON MAR 1	111	1964
1965	---	25.9 ON APR 12 *	0B ON MAR 1	14 600	1965
1966	---	0.861B ON MAR 31	0B ON MAR 1	428	1966
1967	---	2.99 ON APR 30	0B ON MAR 1	2 910	1967
1968	---	3.86 B ON MAR 1	0B ON MAR 14	1 390	1968
1969	---	15.1 ON APR 9	0B ON MAR 1	9 570	1969
1970	---	6.09 B ON APR 11	0B ON MAR 1	3 630	1970
1971	---	10.7 B ON APR 15	0B ON MAR 1	8 090	1971
1972	---	0.580B ON APR 8	0B ON MAR 1	641	1972
1973	---	9.34 ON JUN 16	0B ON MAR 1	2 960	1973
1974	---	17.1 ON APR 21	0B ON MAR 1	14 500	1974
1975	---	3.23 B ON APR 24	0B ON MAR 1	3 550	1975
1976	2.81 B AT 02:30 MST ON APR 1	2.57 B ON APR 1	0B ON MAR 1	1 810	1976
1977	3.06 AT 12:00 MST ON MAY 12	2.15 ON MAY 12	0B ON MAR 1	1 430	1977
1978	---	1.81 B ON MAR 28	0B ON MAR 1	1 420	1978
1979	---	2.95 B ON MAR 17	0 ON MAR 1	1 970	1979
1980	0.320 AT 08:00 MST ON APR 4	0.202B ON APR 4	0B ON MAR 1	202	1980
1981	---	0.760B ON MAR 16	0B ON MAR 1	700	1981
1982	2.79 AT 10:28 MST ON JUL 3	2.02 ON JUL 3	0B ON MAR 1	651	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 500	MEAN

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.156	0.060	---	---	---	1975
1976	---	---	0	2.19	0.551	1.76	1.17	1.23	0.279	0.204	---	---	0.916	1976
1977	---	---	0.001	1.90	1.80	3.56	0.281	0.062	0.052	0.135	---	---	0.964	1977
1978	---	---	0	0.607	1.48	0.251	0.012	0	0.093	0.111	---	---	0.319	1978
1979	---	---	0	1.02	2.34	1.47	1.90	0.263	0.086	0.061	---	---	0.894	1979
1980	---	---	0.001	0.189	0.069	0.160	0.095	0.012	0.072	0.060	---	---	0.082	1980
1981	---	---	0.001	2.23	1.53	0.349	0.199	0.016	0	0	---	---	0.537	1981
1982	---	---	0	0.885	1.55	0.051	0	0.021	0.001	0.001	---	---	0.314	1982
MEAN	---	---	0	1.29	1.33	1.09	0.522	0.229	0.092	0.079	---	---	0.575	MEAN

LOCATION - LAT 56 23 00 N DRAINAGE AREA, 230 km²
LONG 118 42 40 W NATURAL FLOW

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	12.1 AT 19:30 MST ON JUN 28 *	11.2 ON JUN 28 *	0B ON MAR 1 *	19 400	1976
1977	10.2 AT 13:00 MST ON JUN 11	9.74 ON JUN 11	0B ON MAR 1	20 400	1977
1978	3.37 AT 02:30 MST ON MAY 2	3.26 ON MAY 1	0B ON MAR 1	6 750	1978
1979	9.36 AT 13:00 MST ON APR 30	9.08 ON APR 30	0B ON MAR 1	18 900	1979
1980	0.852B AT 08:00 MST ON APR 18	0.584 ON JUN 18	0B ON MAR 1	1 730	1980
1981	10.5 B AT 00:00 MST ON APR 23	9.01 B ON APR 23	0B ON MAR 1	11 400	1981
1982	5.98 AT 13:00 MST ON APR 26	5.70 ON APR 26	0B ON MAR 1	6 640	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 200	MEAN

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.002R	0.007R	0.008R	0.015R	---	---	---	1978
1979	---	---	0.004	0.278	0.306	0.134	0.065	0.009	0.010	0.006	---	---	0.101	1979
1980	---	---	0.001	0.144	0.016	0.005	0.007	0.012	0.011	0.016	---	---	0.026	1980
1981	---	---	0.068	0.157	0.009	0.011	0.050	0.004	0	0	---	---	0.037	1981
1982	---	---	0	0.133	0.066	0.001	0.071	0.027	0.004	0	---	---	0.038	1982
MEAN	---	---	0.018	0.178	0.099	0.038	0.039R	0.012R	0.007R	0.007R	---	---	0.051	MEAN

LOCATION - LAT 53 56 03 N DRAINAGE AREA, 36.5 km²
LONG 110 46 36 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.12 ON APR 24 *	0.001E ON MAR 1	2 130	1979
1980	---	0.490 ON APR 15	0 ON JUN 7 *	551	1980
1981	1.32 AT 00:30 MST ON MAR 30 *	0.590B ON MAR 31	0 ON JUN 4	788	1981
1982	---	0.555B ON APR 25	0 B ON MAR 1	796	1982
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 070	MEAN

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	---	0.018	0.010	---	1980
1981	0	0	0.050	1.68	1.20	0.197	0.013	0.007	0.001	0.002	0.001	0	0.262	1981
1982	0	0	0	0.084	0.025	0.012	0.037	0.033	0.014	0.008	0.008	0.005	0.019	1982
MEAN	0	0	0.025	0.882	0.613	0.105	0.025	0.020	0.008	0.005	0.009	0.005	0.141	MEAN

LOCATION - LAT 54 20 25 N DRAINAGE AREA, 1 010 km²
LONG 111 00 10 W NATURAL FLOW

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0B ON DEC 30 *	---	1980
1981	2.36 AT 04:00 MST ON APR 22 *	2.32 ON APR 22 *	0B ON JAN 1	8 260	1981
1982	---	0.370B ON APR 25	0B ON JAN 1	597	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 430	MEAN

MOSQUITO CREEK NEAR NANTON - STATION NO. 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.24	0.727	0.696	---	---	---	1908
1909	---	---	---	---	4.24	0.970	1.17	0.266	0.166	0.199	---	---	---	1909
1910	---	---	---	0.525	0.152	0.037	0	0	0.050	0.048	---	---	0.115	1910
1911	---	---	---	0.201	0.232	0.061	0.078	0.251	0.188	0.142	---	---	0.165	1911
1912	---	---	---	---	---	---	0.873	0.580	0.497	0.404	---	---	---	1912
1913	---	---	---	---	0.547	0.880	1.02	0.879	0.199	0.206	---	---	---	1913
1914	---	---	---	1.23	0.300	0.082	0.014	0	0	0.225	---	---	0.263	1914
1915	---	---	---	0.146	2.08	7.27	6.46	2.96	1.28	1.01	---	---	3.03	1915
1916	---	---	---	2.30	2.24	6.13	2.44	2.44	4.31	2.54	---	---	3.18	1916
1917	---	---	---	4.35	4.86	10.8	2.43	1.23	0.786	0.503	---	---	3.54	1917
1918	---	---	---	1.45	0.339	0.084	0.019	0.271	0.049	0.041	---	---	0.319	1918
1919	---	---	0.036	0.615	0.134	0.013	0	0	0.002	0.008	---	---	0.109	1919
MEAN	---	---	0.036	1.35	1.51	2.63	1.32	0.843	0.688	0.502	---	---	1.34	MEAN

LOCATION - LAT 50 22 34 N DRAINAGE AREA, 522 km^2
LONG 113 49 39 W NATURAL FLOW

MOSQUITO CREEK NEAR NANTON - STATION NO. 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	26.4 ON MAY 24	---	---	1909
1910	---	1.32 ON APR 1	0 ON JUL 5 *	2 120	1910
1911	---	1.61 ON MAY 13	0.003 ON JUN 19	3 050	1911
1912	---	4.45 ON JUN 16	---	---	1912
1913	---	4.76 ON AUG 9	---	---	1913
1914	---	2.46 ON APR 4	0 ON JUL 17	4 860	1914
1915	---	44.5 ON JUN 26 *	0.102 ON APR 3	56 000	1915
1916	---	24.0 ON SEP 4	0.481 ON APR 26	58 900	1916
1917	---	33.1 ON JUN 11	0.057B ON APR 1	65 500	1917
1918	---	5.13 ON APR 15	0.002 ON AUG 3	5 900	1918
1919	---	1.42B ON APR 5	0 ON JUN 14	2 010	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 800	MEAN

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.207	0.982	0.484	0.924	0.909	0.513	0.471	0.313	---	---	0.598	1982
MEAN	---	---	0.207	0.982	0.484	0.924	0.909	0.513	0.471	0.313	---	---	0.598	MEAN

LOCATION - LAT 50 15 20 N
LONG 113 33 15 W REGULATED

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	5.87 AT 10:56 MST ON JUL 1 *	4.67 ON JUL 1 *	0B ON MAR 1 *	12 700	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 700	MEAN

MOUNTAIN VIEW CANAL BELOW NAMI CREEK - STATION NO. 05AD023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.004	0.006	0.988	0.597	0.365	0.806	0.017	0.001	---	0.346	1961
1962	---	---	0.008	0.028	0.002	0.869	0.402	0.397	0.486	0.311	0.016	---	0.313	1962
1963	---	---	---	0.001	0.653	0.556	0.235	0.776	0.844	0.106	0.090	---	0.408	1963
1964	---	---	---	0.005	0.008	0.047	0.498	1.00	0.265	0.291	0.088	---	0.278	1964
1965	---	---	---	0.006	0.009	0.169	0.018	0.348	0.155	0.123	0.038	---	0.108	1965
1966	---	---	---	0.008	0.047	0.306	0.144	0.571	0.597	0.185	0	---	0.232	1966
1967	---	---	---	0.008	0.049	0.015	0.153	0.835	0.945	0.293	0	---	0.288	1967
1968	---	---	---	0.007	0.004	0.220	0.198	0.017	0.016	0.003	0.012	---	0.060	1968
1969	---	---	---	0.012	0.185	0.193	0.054	0.589	0.943	0.206	0	---	0.267	1969
1970	---	---	---	0	0.007	0.123	0.280	0.436	0.633	0.464	0.002	---	0.244	1970
1971	---	---	---	0.011	0.199	0.363	0.278	0.777	0.784	0.185	0	---	0.325	1971
1972	---	---	---	0.006	0.009	0.057	0.188	0.172	0.275	0.471	0.011	---	0.150	1972
1973	---	---	---	0.003	0.221	0.902	0.552	0.834	0.694	0.142	0	---	0.419	1973
1974	---	---	0	0.006	0.087	0.177	0.678	0.583	0.254	0.256	0.134	---	0.264	1974
MEAN	---	---	0.004	0.008	0.098	0.356	0.305	0.550	0.550	0.218	0.028	---	0.264	MEAN

LOCATION - LAT 49 06 27 N
LONG 113 37 47 W REGULATED

MOUNTAIN VIEW CANAL BELOW NAMI CREEK - STATION NO. 05AD023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	1.59 ON JUN 17 *	0 ON MAY 22 *	7 300	1961
1962	---	1.38 ON JUN 12	0 ON MAY 4	6 600	1962
1963	---	1.52 ON SEP 8	0 ON APR 13	8 610	1963
1964	---	1.50 ON AUG 18	0B ON APR 1	5 860	1964
1965	---	1.09 ON AUG 20	0B ON APR 1	2 280	1965
1966	---	1.16 ON SEP 18	0 ON MAY 19	4 900	1966
1967	---	1.19 ON SEP 1	0B ON APR 1	6 080	1967
1968	---	0.748 ON JUN 29	0 ON MAY 19	1 260	1968
1969	---	1.14 ON SEP 12	0B ON APR 1	5 640	1969
1970	---	1.19 ON AUG 25	0B ON APR 1	5 140	1970
1971	---	1.18 ON AUG 19	0 ON APR 1	6 850	1971
1972	---	0.841 ON OCT 20	0E ON NOV 14	3 150	1972
1973	---	1.11 ON JUN 14	0 ON MAY 10	8 830	1973
1974	---	1.49 ON AUG 10	0E ON APR 1	5 550	1974
				5 580	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.001	0.019	0.891	0.759	0.126	0.102	0	0	---	0.237	1935
1936	---	---	---	0	0.771	0.907	0.891	0.115	0	0	0	---	0.337	1936
1937	---	---	---	0	1.27	0.488	0.938	0.816	0.581	0.054	0	---	0.522	1937
1938	---	---	0.179	0.165	0.125	0.287	0.341	0.606	0.546	0.351	0	---	0.304	1938
1939	---	---	---	0	0.730	0.275	0.995	0.644	0.621	0.068	0	---	0.420	1939
1940	---	---	---	0.618	1.04	0.916	0.854	0.539	0.635	0	0	---	0.576	1940
1941	---	---	---	0	0.689	0.852	0.664	0.320	0.901	0	0	---	0.428	1941
1942	---	---	---	0	0	0	0	0	0	0	0	---	0	1942
1943	---	---	---	0.322	0.205	0.230	0.083	0.231	0.656	0.656	0.414	---	0.349	1943
1944	---	---	---	0.258	1.34	1.21	1.05	0.730	0.777	0.646	0.364	---	0.799	1944
1945	---	---	---	0	0.106	0.259	0.091	0.420	0.817	0.691	0.351	---	0.342	1945
1946	---	---	---	0	0.747	0.767	0.046	0.128	0.009	0.446	0	---	0.269	1946
1947	---	---	---	0.144	0.527	1.25	0.970	0.618	0.401	0	0	---	0.490	1947
1948	---	---	---	0	0.542	0.303	0.013	0.004	0.390	0.011	0.158	---	0.177	1948
1949	---	---	---	0.232	1.02	0	0.191	0.120	0	0	1.49	---	0.381	1949
1950	---	---	---	0	0.100	0.563	1.68	0.067	1.64	1.31	0	---	0.672	1950
1951	---	---	---	0	0	0.184	0.180	0.521	0.047	0.105	0	---	0.131	1951
1952	---	---	---	0	0.284	1.17	0.500	0.486	0.880	0.699	0.111	---	0.516	1952
1953	---	---	0.003	0.109	0.327	0.385	0.133	0.905	0.934	1.11	0.231	---	0.519	1953
1954	---	---	0.028	0.065	0.211	0.292	1.57	0.032	0.013	0.013	0	---	0.278	1954
1955	---	---	0	0	0.221	0.279	0.201	0.213	1.12	0.725	0.016	---	0.347	1955
1956	---	---	---	0	0.212	2.50	0.951	1.08	1.21	0.111	0	---	0.756	1956
1957	---	---	0	0.018	1.20	1.97	0.592	1.77	1.51	0.739	0	---	0.976	1957
1958	---	---	---	0.031	0.483	1.16	0.109	0.947	0.677	1.86	0.025	---	0.664	1958
1959	---	---	0.003	0.056	0.127	0.669	1.63	0.854	2.18	0.220	0	---	0.716	1959
1960	---	---	---	0.283	0.143	1.28	2.84	1.20	0.921	1.34	0.104	---	1.02	1960
1961	---	---	0.016	0.584	1.39	3.10	1.88	1.35	1.38	0.815	0.001	---	1.31	1961
1962	---	---	0.051	0.131	0.044	2.18	2.14	0.839	2.03	0.004	0.226	---	0.946	1962
1963	---	---	0.002	0.882	2.99	2.68	1.25	2.11	1.96	0.776	0.644	---	1.66	1963
1964	---	---	0	0.017	0.215	0.755	1.57	2.20	2.59	0.793	0.724	---	1.11	1964
1965	---	---	0	0.088	0.485	0.479	0.142	2.69	0.518	0.014	0.319	---	0.596	1965
1966	---	---	0.016	0.071	0.316	0.436	1.51	1.50	2.49	0.715	0.104	---	0.896	1966
1967	---	---	---	0.024	0.448	0.383	1.08	3.36	1.66	2.10	0.154	---	1.16	1967
1968	---	---	---	0.037	0.965	0.888	1.06	1.38	0.408	0.126	0.063	---	0.621	1968
1969	---	---	---	0.084	0.199	1.81	0.539	1.59	1.17	0.009	0.002	---	0.674	1969
1970	---	---	---	0	2.59	1.55	1.29	2.58	2.03	0.581	0.035	---	1.34	1970
1971	---	---	---	0.030	1.48	0.971	2.00	1.81	2.30	0.318	0.002	---	1.12	1971
1972	---	---	---	0.080	0.103	0.052	0.947	0.914	1.31	0.781	0.003	---	0.526	1972
1973	---	---	---	0.087	0.933	2.84	2.76	2.62	1.83	0.879	0	---	1.50	1973
1974	---	---	---	0.036	0.171	1.24	2.27	2.56	0.888	0.606	C.221	---	1.01	1974
1975	---	---	---	0.044	0.557	0.317	0.080	1.72	1.23	0.603	0.001	---	0.572	1975
1976	---	---	---	0.066	0.202	1.01	1.40	1.28	1.26	1.11	0.002	---	0.794	1976
1977	---	---	---	0.375	2.77	3.32	3.18	1.31	0.990	0.504	0	---	1.56	1977
1978	---	---	---	0.020	0.066	0.431	0.889	0.950	0.349	0.402	0	---	0.391	1978
1979	---	---	---	0.084	0.155	1.24	2.06	0.825	1.35	0.190	0.146	---	0.756	1979
1980	---	---	---	0.715	2.21	0.102	1.55	1.37	1.01	0.753	0.027	---	0.974	1980
1981	---	---	---	0.043	0.379	0.176	1.10	1.59	1.67	0.720	0.006	---	0.714	1981
1982	---	---	---	0.013	0.155	1.29	1.18	2.81	1.75	0.690	0.005	---	0.990	1982
MEAN	---	---	0.025	0.121	0.651	0.965	1.04	1.10	1.04	0.513	0.124	---	0.697	MEAN

LOCATION - LAT 49 06 00 N
LONG 113 41 30 W REGULATED

INTERNATIONAL GAUGING STATION

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	1.20 ON JUN 9	0 ON APR 1 *	5 000	1935
1936	---	1.64 ON JUN 1	0 ON APR 1	7 120	1936
1937	---	1.76 ON JUL 5	0 ON APR 1	11 000	1937
1938	---	1.31 ON AUG 19	0 ON AUG 11	6 400	1938
1939	---	1.59 ON JUL 6	0 ON APR 1	8 850	1939
1940	---	2.04 ON APR 22	0 E ON OCT 1	12 200	1940
1941	---	1.33 ON SEP 14	0 ON APR 1	9 030	1941
1942	---	0 ON APR 1	0 ON APR 1	0	1942
1943	---	2.12 ON APR 5	0 ON JUL 16	7 350	1943
1944	---	1.70 ON JUN 17	0 ON APR 1	16 900	1944
1945	---	1.10 ON SEP 23	0 ON APR 1	7 210	1945
1946	---	1.27 ON JUN 6	0 ON APR 1	5 680	1946
1947	---	1.39 ON JUN 6	0 E ON OCT 1	10 300	1947
1948	---	1.26 ON JUN 17	0 ON APR 1	3 730	1948
1949	---	2.52E ON NOV 12	0 ON APR 1	8 020	1949
1950	---	3.62 ON JUL 3	0 ON APR 1	14 200	1950
1951	---	1.10 ON AUG 19	0 ON APR 1	2 760	1951
1952	---	1.93 ON JUN 7	0 ON APR 1	10 900	1952
1953	---	2.15 ON AUG 24	0.003B ON APR 24	10 900	1953
1954	---	2.66 ON JUL 6	0 ON NOV 3	5 850	1954
1955	---	2.94 ON SEP 5	0 B ON APR 1	7 320	1955
1956	---	3.51 ON JUN 15	0 ON APR 1	15 900	1956
1957	---	4.02 ON AUG 16	0 B ON APR 1	20 600	1957
1958	---	3.57 ON AUG 21	0 B ON APR 5	14 000	1958
1959	---	3.45 ON JUL 23	0 B ON APR 1	15 100	1959
1960	---	4.05 ON JUN 30	0 ON AUG 14	21 500	1960
1961	---	4.39 ON JUN 9	0 ON AUG 31	27 700	1961
1962	---	3.79 ON SEP 12	0 ON AUG 6	20 000	1962
1963	---	4.19 ON JUN 6	0 E ON NOV 20	35 100	1963
1964	---	4.59 ON JUN 8	0 E ON NOV 20	23 400	1964
1965	---	4.19 ON AUG 5	0 B ON APR 1	12 600	1965
1966	---	3.43 ON AUG 20	0.006 ON NOV 23	18 900	1966
1967	---	3.79 ON AUG 26	0 ON NOV 16	24 500	1967
1968	---	3.06 ON JUN 22	0.003 ON APR 1	13 100	1968
1969	---	4.62 ON JUN 6	0 B ON APR 1	14 200	1969
1970	---	5.30 ON MAY 24 *	0 B ON APR 1	28 200	1970
1971	---	2.94 ON AUG 16	0 B ON APR 1	23 600	1971
1972	---	2.89 ON JUL 19	0 ON NOV 3	11 100	1972
1973	---	4.79 ON JUN 2	0 B ON APR 1	31 600	1973
1974	---	4.42 ON JUL 30	0 B ON APR 1	21 200	1974
1975	---	2.92 ON AUG 13	0 B ON APR 1	12 000	1975
1976	---	3.34 ON JUL 24	0 B ON APR 1	16 700	1976
1977	---	4.28 ON MAY 12	0 ON SEP 2	33 000	1977
1978	---	1.42 ON AUG 22	0 E ON NOV 1	8 250	1978
1979	---	3.47 ON JUL 7	0 B ON APR 1	16 000	1979
1980	---	5.19 ON MAY 18	0 ON APR 1	20 500	1980
1981	---	2.20 ON AUG 15	0 ON NOV 11	15 100	1981
1982	---	3.30 ON AUG 4	0 B ON APR 1	20 900	1982
				14 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	0.541	0.213	0.136	0.114	---	1949
1950	0.085	0.057	0.057	0.028	0.110	2.11	2.00	1.03	0.444	0.208	---	---	0.980	1950
1951	---	---	---	---	---	1.84	3.15	1.15	0.566	0.340	---	---	---	1951
1952	---	---	---	---	---	1.86	1.53	1.11	0.515	0.226	---	---	---	1952
1953	---	---	---	---	---	2.44	2.43	1.15	0.571	0.284	---	---	---	1953
1954	---	---	---	---	---	2.21	3.04	1.15	0.582	0.219	0.091	---	---	1954
1955	---	---	---	---	---	2.45	2.40	1.12	0.586	0.247	---	---	---	1955
1956	---	---	---	---	---	2.72	2.26	1.19	0.579	0.250	---	---	---	1956
1957	---	---	---	---	---	1.97	1.33	0.755	0.478	0.270	---	---	---	1957
1958	---	---	---	---	1.16	1.56	1.60	1.18	0.603	0.287	---	---	1.06	1958
1959	---	---	---	---	---	2.82	1.86	1.03	0.906	0.443	---	---	---	1959
1960	---	---	---	---	0.272	3.21	3.29	1.65	0.836	0.305	---	---	1.59	1960
1961	---	---	---	---	---	4.75	2.65	2.18	0.758	0.527	---	---	---	1961
1962	---	---	---	---	0.637	2.83	1.98	1.57	0.789	0.372	---	---	1.36	1962
1963	---	---	---	---	---	3.43	3.09	1.53	1.36	0.488	---	---	---	1963
1964	---	---	---	---	---	4.78	3.47	1.41	0.733	0.562	---	---	---	1964
1965	---	---	---	---	---	3.49	3.25	2.23	0.610	0.570	---	---	---	1965
1966	---	---	---	---	---	3.50	3.17	1.56	0.909	0.476	---	---	---	1966
1967	---	---	---	---	---	5.08	3.79	2.03	1.12	0.513	---	---	---	1967
1968	---	---	---	---	0.768	3.35	2.89	1.62	0.967	0.351	---	---	1.65	1968
1969	---	---	---	---	1.48	3.55	2.26	1.33	0.697	0.365	---	---	1.61	1969
1970	---	---	---	---	0.641	4.23	2.54	1.35	0.589	0.245	---	---	1.59	1970
1971	---	---	---	---	1.21	4.22	2.73	2.10	0.656	0.295	---	---	1.86	1971
1972	---	---	---	---	0.851	5.10	2.61	2.13	0.675	0.287	---	---	1.93	1972
1973	---	---	---	---	0.865	3.17	2.44	1.47	0.734	0.266	---	---	1.49	1973
1974	---	---	---	---	0.327	5.29	3.23	1.86	0.839	0.303	---	---	1.96	1974
1975	---	---	---	---	0.201	2.82	3.40	1.56	0.594	0.276	---	---	1.47	1975
1976	---	---	---	---	1.36	2.32	3.26	2.[illegible]4	1.39	0.449	---	---	1.89	1976
1977	---	---	---	---	0.795	2.40	1.66	1.86	0.838	0.298	---	---	1.31	1977
1978	---	---	---	---	0.605	3.57	2.83	1.35	1.23	0.483	---	---	1.67	1978
1979	---	---	---	---	0.728	2.55	1.93	1.42	0.768	0.319	---	---	1.28	1979
1980	---	---	---	---	2.61	2.91	1.79	1.44	0.760	0.573	---	---	1.68	1980
1981	---	---	---	---	1.95	2.51	3.91	2.12	0.854	0.309	---	---	1.95	1981
1982	---	---	---	---	0.681	4.27	2.34	1.54	1.00	0.401	---	---	1.70	1982
MEAN	0.085	0.057	0.057	0.028	0.908	3.19	2.61	1.54	0.767	0.353	0.114	0.114	1.58	MEAN

LOCATION - LAT 50 47 30 N
LONG 115 18 00 W

DRAINAGE AREA, 41.7 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	---	---	---	1949
1950	---	4.53 ON JUN 16	0.037E ON MAY 1	15 600	1950
1951	---	5.15 ON JUN 15	---	---	1951
1952	---	3.28 ON JUN 6	---	---	1952
1953	---	5.35 ON JUN 13	---	---	1953
1954	---	5.04 ON JUL 6	---	---	1954
1955	---	5.55 ON JUN 24	---	---	1955
1956	---	4.76 ON JUN 5	---	---	1956
1957	---	3.37 ON JUN 8	---	---	1957
1958	---	3.17 ON MAY 25	0.054E ON MAY 7	16 900	1958
1959	---	4.45 ON JUN 14	---	---	1959
1960	---	5.15 ON JUN 25	0.085E ON MAY 1	25 300	1960
1961	---	7.50 ON JUN 7	---	---	1961
1962	---	4.96 ON JUN 18	0.045 ON MAY 7	21 600	1962
1963	---	5.75 ON JUL 8	---	---	1963
1964	---	7.14 ON JUN 9	---	---	1964
1965	---	7.14 ON JUN 18	---	---	1965
1966	---	8.61 ON MAY 31	---	---	1966
1967	---	7.70 ON JUN 18	---	---	1967
1968	---	7.19 ON JUN 3	0.057B ON MAY 1	26 300	1968
1969	---	6.48 ON JUN 5	0.156 ON MAY 5	25 600	1969
1970	---	6.80 ON JUN 16	0.028E ON MAY 1 *	25 300	1970
1971	---	7.56 ON JUN 6	0.057E ON MAY 1	29 600	1971
1972	---	9.77 ON JUN 11	0.113E ON MAY 1	30 700	1972
1973	---	7.02 ON JUN 24	0.057E ON MAY 1	23 600	1973
1974	---	11.5 ON JUN 17 *	0.085E ON MAY 1	31 200	1974
1975	---	5.18 ON JUL 5	0.085E ON MAY 1	23 400	1975
1976	---	5.64 ON JUL 1	0.170E ON MAY 1	30 000	1976
1977	---	6.43 ON JUN 8	0.227E ON OCT 26	20 800	1977
1978	---	6.51 ON JUN 6	0.173 ON MAY 8	26 500	1978
1979	---	4.45 ON MAY 27	0.057B ON MAY 1	20 400	1979
1980	---	4.62 ON JUN 11	0.249 ON OCT 31	26 700	1980
1981	8.55 AT 24:00 MDT ON MAY 26 *	7.73 ON JUL 5	0.198 ON OCT 31	31 000	1981
1982	7.96 AT 02:00 MST ON JUN 17	7.78 ON JUN 16	0.085B ON MAY 1	27 000	1982
MEAN				25 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA912

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	--	---	---	1.66	0.079	0.120	0.113	---	---	---	1982
MEAN	---	---	---	---	---	---	1.66	0.079	0.120	0.113	---	---	---	MEAN

LOCATION - LAT 52 52 06 N, LONG 113 57 27 W — DRAINAGE AREA, 34.0 km² — REGULATED — DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA912

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	15.7E AT 22:51 MST ON JUL 4 *	13.4 ON JUL 5 *	---	---	1982
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	0.648	0.490	0.404	16.6	20.7	9.67	12.8	5.86	2.88	3.36	1.40	0.637	6.32	1974
1975	0.367	0.348	0.387	2.66	6.12	7.42	14.4	6.73	18.6	12.0	3.16	0.739	6.10	1975
1976	0.552	0.447	0.436	7.72	2.59	0.840	0.808	1.05	3.43	3.14	1.74	0.208	2.07	1976
1977	0.249	0.348	0.335	4.95	3.65	3.38	4.72	1.90	2.00	4.04	1.63	0.494	2.32	1977
1978	0.311	0.253	0.255	3.18	9.18	4.94	1.21	3.36	21.9	19.4	5.72	1.16	5.92	1978
1979	0.596	0.483	0.469	3.16	21.4	7.96	2.78	2.93	5.07	4.29	2.31	0.534	4.36	1979
1980	0.376	0.214	0.336	2.76	0.771	0.657	0.739	4.86	15.5	9.23	3.35	0.656	3.28	1980
1981	0.432	0.324	0.439	1.76	4.35	1.80	4.22	0.869	0.170	0.473	0.376	0.204	1.30	1981
1982	0.177	0.140	0.180	4.14	12.6	3.30	0.883	0.535	0.746	0.787	0.625	0.241	2.04	1982
MEAN	0.412	0.339	0.360	5.21	9.04	4.44	4.73	3.12	7.81	6.52	2.26	0.541	3.75	MEAN

LOCATION - LAT 57 11 30 N, LONG 111 34 05 W — DRAINAGE AREA, 1 460 km² — NATURAL FLOW

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	43.0 AT 18:00 MST ON APR 28 *	42.2 ON APR 28 *	0.170B ON APR 6	200 000	1974
1975	27.6 AT 21:00 MST ON JUL 22	27.4 ON JUL 22	0.340B ON JAN 20	192 000	1975
1976	---	15.4 A ON APR 11	0.142B ON DEC 17	65 600	1976
1977	16.7 B AT 07:44 MST ON APR 19	13.5 B ON APR 19	0.170B ON JAN 1	73 000	1977
1978	32.3 AT 18:10 MST ON SEP 27	32.0 ON SEP 27	0.227B ON MAR 1	187 000	1978
1979	30.4 AT 00:00 MST ON MAY 1	28.2 ON MAY 1	0.440B ON DEC 29	138 000	1979
1980	18.8 AT 17:50 MST ON SEP 23	18.8 ON SEP 24	0.200B ON FEB 6	104 000	1980
1981	7.68 AT 19:40 MST ON JUL 17	7.48 ON JUL 17	0.095 ON SEP 1 *	40 900	1981
1982	24.3 B AT 06:09 MST ON APR 28	14.3 ON MAY 12	0.134B ON FEB 18	64 400	1982
				118 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	1.26	1.38	1.29	1.51	19.4	37.9	9.76	4.70	4.40	6.77	3.43	2.18	7.82	1972
1973	1.68	1.47	1.61	2.10	18.3	14.9	6.95	4.01	2.65	3.90	1.63	1.50	5.08	1973
1974	1.42	1.27	1.06	3.37	17.8	13.9	6.77	3.54	3.35	2.92	1.90	1.42	4.92	1974
1975	1.05	0.811	0.804	0.863	7.83	10.4	10.2	3.60	2.63	1.81	1.71	1.26	3.60	1975
1976	1.17	1.09	1.01	3.99	17.6	11.6	7.83	14.6	7.43	3.92	2.18	1.75	6.20	1976
1977	1.40 R	1.22 R	1.07 R	3.07 R	25.0 R	21.1 R	17.7 R	14.4 R	9.95R	6.82R	2.40R	1.82 R	8.89R	1977
1978	1.10 R	0.961R	0.989R	3.83 R	8.56R	15.6 R	13.9 R	5.87R	8.87R	5.61R	3.48R	2.31 R	5.95R	1978
1979	1.14 R	0.976R	1.34 R	3.87 R	12.0 R	10.6 R	6.16R	3.42R	2.27R	2.03R	1.07R	0.801R	3.82R	1979
1980	0.984	0.835	0.831	4.82	7.93	42.1	11.9	7.80	8.73	5.02	3.03	2.53	8.01	1980
1981	1.96	1.36	1.05	2.22	10.4	9.08	6.60	5.72	3.17	2.36	1.95	0.965	3.92	1981
1982	0.624	0.896	0.794	1.15	14.8	14.4	23.6	16.1	9.25	6.65	2.87	1.82	7.81	1982
MEAN	1.25 R	1.12 R	1.08 R	2.80 R	14.5 R	18.3 R	11.0 R	7.61R	5.70R	4.35R	2.33R	1.67 R	6.00	MEAN

LOCATION - LAT 53 55 32 N, LONG 118 48 52 W — DRAINAGE AREA, 706 km² — NATURAL FLOW

R - REVISED SINCE JAN 1980

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	286 AT 22:00 MST ON JUN 12 *	213 ON JUN 13 *	1.13 B ON APR 13	247 000	1972
1973	31.4 AT 19:20 MST ON JUN 24	27.6 ON MAY 18	1.36 B ON FEB 6	160 000	1973
1974	25.0 AT 04:10 MST ON MAY 8	23.5 ON MAY 8	0.985B ON MAR 20	155 000	1974
1975	27.6 AT 06:00 MST ON JUN 30	26.2 ON JUN 30	0.646B ON MAY 1	113 000	1975
1976	41.9 AT 04:00 MST ON AUG 17	40.2 ON AUG 17	0.957B ON MAR 2	196 000	1976
1977	58.4R AT 23:50 MST ON MAY 11	50.9R ON JUL 30	1.01 RB ON MAR 19	281 000R	1977
1978	53.5R AT 22:40 MST ON JUL 11	43.5R ON JUL 12	0.850RB ON MAR 25	187 000R	1978
1979	32.4R AT 07:00 MST ON MAY 27	27.8R ON MAY 27	0.740RB ON DEC 15	121 000R	1979
1980	200 AT 21:25 MST ON JUN 4	161 ON JUN 4	0.700B ON MAR 5	253 000	1980
1981	21.8 AT 14:45 MST ON JUL 30	20.9 ON JUL 30	0.500B ON DEC 16 *	124 000	1981
1982	65.9 AT 11:55 MST ON JUL 15	57.5 ON JUL 15	0.520B ON JAN 9	246 000	1982
				189 000R	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.524	0.159	0.477	0.026	---	---	---	1975
1976	---	---	0.004	1.92	0.044	0.010	0.002	0.003	0.010	0.001	---	---	0.244	1976
1977	---	---	0.001	2.43	0.257	0.447	0.140	0.247	0.213	---	---	---	---	1977
1978	---	---	0.023	5.32	0.289	2.17	0.156	0.082	1.69	0.854	---	---	1.30	1978
1979	---	---	0.012	9.15	3.25	0.327	0.439	0.324	0.146	0.019	---	---	1.69	1979
1980	---	---	0.002	1.18	0.011	0.061	0.060	0.091	0.396	0.457	---	---	0.279	1980
1981	---	---	2.15	6.51	0.242	0.012	0.060	0.239	0.023	0.060	---	---	1.15	1981
1982	---	---	0	3.86	0.492	0.015	0.013	0.122	0.055	0.038	---	---	0.565	1982
MEAN	---	---	0.313	4.34	0.655	0.435	0.174	0.158	0.376	0.208	---	---	0.871	MEAN

LOCATION - LAT 54 01 40 N   DRAINAGE AREA, 720 km^2
LONG 112 51 30 W   NATURAL FLOW

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	0.943 AT 23:30 MST ON SEP 7	0.903 ON JUL 11	---	---	1975
1976	6.12 B AT 06:30 MST ON APR 9	4.25 B ON APR 9	0 ON JUL 11 *	5 180	1976
1977	11.3 B AT 22:30 MST ON APR 12	10.8 ON APR 13	---	---	1977
1978	---	11.0 B ON APR 9	0 B ON MAR 1	27 600	1978
1979	33.1 AT 02:10 MST ON APR 26 *	31.8 ON APR 26 *	0.001E ON OCT 7	35 700	1979
1980	---	4.49 B ON APR 12	0 B ON MAR 1	5 910	1980
1981	---	21.9 B ON APR 3	0 B ON MAR 12	24 400	1981
1982	20.0 AT 01:00 MST ON APR 23	18.1 B ON APR 22	0 B ON MAR 1	12 000	1982
				18 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MANTON CREEK NEAR MANTON - STATION NO. 05AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	0.232	0.277	---	---	---	1908
1909	---	---	---	---	1.14	0.562	0.458	0.112	0.054	0.071	---	---	---	1909
1910	---	---	---	0.069	0.062	0.005	0	0	0.041	0.005	---	---	---	1910
1911	---	---	---	0.018	0.076	0.077	0.059	0.274	0.262	0.229	---	---	---	1911
1912	---	---	---	---	0.092	---	---	---	0.363	0.223	---	---	---	1912
1913	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1913
1914	---	---	---	---	0.087	0.018	0.018	---	0.001	0.116	---	---	---	1914
1915	---	---	---	0.071	0.524	1.67	1.92	0.848	0.464	0.357	---	---	---	1915
1916	---	---	---	---	0.673	1.78	0.636	0.784	1.15	0.798	---	---	---	1916
1917	---	---	---	---	1.17	2.32	0.624	0.499	0.224	0.199	---	---	---	1917
1918	---	---	---	0.095	0.066	0.039	0.009	0.010	0.007	0.006	---	---	---	1918
1919	---	---	0.011	0.065	0.031	0.002	0	0	0	0.001	---	---	---	1919
MEAN	---	---	0.011	0.064	0.392	0.719	0.414	0.316	0.254	0.200	---	---	---	MEAN

LOCATION - LAT 50 21 35 N   DRAINAGE AREA, 120 km^2
LONG 113 49 34 W   REGULATED

NANTON CREEK NEAR NANTON - STATION NO. 05AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	3.60 ON MAY 24	---	---	1909
1910	---	0.311 ON SEP 7	0 ON JUN 13 *	---	1910
1911	---	0.920 ON AUG 8	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	0.821 ON APR 5	0 ON JUL 16	---	1914
1915	---	5.92 ON JUN 26 *	---	---	1915
1916	---	5.44 ON AUG 18	---	---	1916
1917	---	4.47 ON JUN 11	---	---	1917
1918	---	0.255B ON APR 5	---	---	1918
1919	---	0.204 ON APR 6	0B ON MAR 1	---	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.007	0	0	0	0	---	---	0.001	1973
1974	---	---	---	---	---	0	---	---	---	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.005	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
MEAN	---	---	0.002	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 51 08 55 N DRAINAGE AREA, 3.50 km^2
LONG 111 47 50 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977 AND 1979

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.552 AT 19:40 MST ON JUN 15 *	0.133 ON JUN 15 *	0E ON MAY 1 *	19.1	1973
1974	---	---	0 ON MAY 28	---	1974
1975	0.059 AT 05:30 MST ON MAY 20	0.031 ON MAY 20	0 ON MAY 14	---	1975
1976	---	0 ON MAY 1	0 ON MAY 1	0	1976
1977	---	0 ON MAY 1	0 ON MAY 1	0	1977
1978	0.045 AT 03:50 MST ON SEP 8	0.005 ON SEP 8	0 ON MAY 1	1.30	1978
1979	---	0.002 ON MAY 6	0E ON MAY 1	1.29	1979
1980	---	0 E ON MAY 1	0E ON MAY 1	0	1980
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3.62	MEAN

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	---	---	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0	0	0	0	0	---	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.013	0	0	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	---	1980
1981	---	---	---	0	0	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0	0	0	0	0	0	0	---	---	---	1982
MEAN	---	---	0.009	0	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 38 20 N DRAINAGE AREA, 1.99 km^2
LONG 111 30 20 W NATURAL FLOW

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.065 AT 20:50 MST ON JUN 15	0.019 ON JUN 15	0E ON MAY 1 *	---	1973
1974	---	0.083 ON AUG 13	0E ON MAY 1	---	1974
1975	0.580 AT 13:30 MST ON MAY 24	0.167 ON MAY 24	0 ON MAY 14	---	1975
1976	0.697 AT 17:30 MST ON MAR 18 *	0.447 ON MAR 18 *	0 ON MAR 30	---	1976
1977	0.001 AT 07:00 MST ON APR 5	0.001 ON APR 3	0 ON MAR 1	0.26	1977
1978	---	0.150B ON MAR 26	0B ON MAR 1	36.3	1978
1979	---	0.101B ON MAR 10	0B ON MAR 1	37.4	1979
1980	---	0 A ON APR 22	0A ON APR 22	---	1980
1981	---	---	0A ON MAR 30	---	1981
1982	0.001 AT 19:00 MST ON APR 9	0 E ON APR 1	0E ON APR 1	---	1982
				24.7	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.002	0	0	0	0	---	---	0	1973
1974	---	---	---	0.004	0	0	0	0	0	0	---	---	0	1974
1975	---	---	---	---	0.005	0	0	0	0	0	---	---	0.001	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1976
1977	---	---	---	---	0	0	0	0	0	0	---	---	0	1977
1978	---	---	---	---	0	0	0	0.004	0.001	0	---	---	0.001	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
1981	---	---	---	---	0.001	0	0	0	0	0	---	---	0	1981
1982	---	---	---	---	0	0	0	0	0	0	---	---	0	1982
MEAN	---	---	---	0.004	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 50 22 40 N   DRAINAGE AREA, 3.24 km^2
LONG 112 14 40 W   NATURAL FLOW

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.040 ON JUN 18	0 ON MAY 1 *	6.13	1973
1974	---	0.001 ON AUG 13	0 ON MAY 1	0.35	1974
1975	0.11[illegible] AT 18:1[illegible] MST ON MAY 6	0.062 ON MAY 6	0 ON MAY 1	13.5	1975
1976	0.001 AT 17:00 MST ON AUG 4	0 ON MAY 1	0 ON MAY 1	0	1976
1977	---	0 ON MAY 1	0 ON MAY 1	0	1977
1978	0.221 AT 08:00 MST ON AUG 23 *	0.116 ON AUG 23 *	0 ON MAY 1	12.2	1978
1979	---	0 ON MAY 1	0 ON MAY 1	0	1979
1980	---	0 ON MAY 1	0 ON MAY 1	0	1980
1981	0.029 AT 14:05 MST ON MAY 16	0.010 ON MAY 16	0 ON MAY 1	1.81	1981
1982	---	0 ON MAY 1	0 ON MAY 1	0	1982
				3.40	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0	0	0	0	---	---	---	---	1973
MEAN	---	---	---	---	0	0	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 49 51 10 N
LONG 112 26 40 W   NATURAL FLOW

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON APR 18 *	---	1973
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.036	0.494	0.888	0.336	0.084	0.319	---	---	0.360	1957
1958	---	---	---	---	0.085	0.831	0.713	0.196	0.254	0.337	---	---	0.401	1958
1959	---	---	---	---	0.001	0.667	0.734	0.471	0.271	0.206	---	---	0.391	1959
1960	---	---	---	---	0.006	0.727	1.26	0.447	0.171	0.346	---	---	0.493	1960
1961	---	---	---	---	0.221	1.16	1.08	0.387	0.492	0.523	---	---	0.640	1961
1962	---	---	---	---	0.217	0.939	1.37	0.614	0.341	0.315	---	---	0.633	1962
1963	---	---	---	---	0.529	1.20	0.687	0.554	0.436	0.654	---	---	0.676	1963
1964	---	---	---	---	0.040	1.18	1.91	1.06	0.431	0.446	---	---	0.846	1964
1965	---	---	---	---	0.006	0.569	0.420	0.935	0.322	0.272	---	---	0.421	1965
1966	---	---	---	---	0.032	0.858	1.29	0.567	0.338	0.694	---	---	0.629	1966
1967	---	---	---	---	0.021	0.756	1.90	1.39	0.974	1.07	---	---	1.02	1967
1968	---	---	---	---	0.630	1.62	2.57	1.41	1.23	0.945	---	---	1.40	1968
1969	---	---	---	---	0.559	2.22	1.67	1.50	1.40	1.34	---	---	1.45	1969
1970	---	---	---	---	0.801	1.88	1.62	1.57	1.33	1.24	---	---	1.41	1970
1971	---	---	---	---	0.569	1.69	2.91	1.91	1.56	1.25	---	---	1.65	1971
1972	---	---	---	---	0.565	1.88	2.77	1.64	1.21	1.06	---	---	1.52	1972
1973	---	---	---	---	1.18	2.34	3.14	1.91	1.32	1.21	---	---	1.85	1973
1974	---	---	---	---	0.432	2.07	3.15	2.46	1.52	1.52	0.256	---	1.86	1974
1975	---	---	---	---	0.198	0.706	3.42	3.45	3.09	2.66	---	---	2.26	1975
1976	---	---	---	---	1.26	3.38	3.96	2.93	2.40	2.77	---	---	2.78	1976
1977	---	---	---	---	1.19	2.46	3.99	3.19	2.26	1.21	---	---	2.38	1977
1978	---	---	---	---	1.37	0.390	2.97	3.11	1.63	1.99	---	---	1.92	1978
1979	---	---	---	---	0.011	2.01	3.60	2.56	1.96	1.85	---	---	2.00	1979
1980	---	---	---	---	1.41	2.50	3.62	2.68	3.10	2.58	---	---	2.65	1980
1981	---	---	---	---	0.444	2.58	4.16	3.76	3.71	2.67	---	---	2.88	1981
1982	---	---	---	---	1.09	2.32	3.88	4.17	3.31	2.06	---	---	2.81	1982
MEAN	---	---	---	---	0.496	1.52	2.30	1.74	1.35	1.21	0.256	---	1.44	MEAN

LOCATION - LAT 50 13 00 N LONG 112 06 15 W DRAINAGE AREA, 312 km² REGULATED

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.42 ON JUL 22	0 E ON MAY 1 *	5 730	1957
1958	---	1.56 ON JUN 16	0 E ON MAY 1	6 370	1958
1959	---	2.75 ON JUN 27	0 ON MAY 1	6 220	1959
1960	---	1.93 ON JUL 4	0 ON MAY 6	7 840	1960
1961	---	2.12 ON JUN 20	0 ON MAY 1	10 200	1961
1962	---	2.49 ON JUL 14	0 E ON MAY 1	10 100	1962
1963	---	4.79 ON JUN 22	0 ON MAY 1	10 700	1963
1964	---	2.86 ON JUL 3	0 ON MAY 10	13 400	1964
1965	---	3.28 ON AUG 5	0 ON MAY 6	6 680	1965
1966	---	7.16 ON JUL 15 *	0 ON MAY 5	10 000	1966
1967	---	4.42 ON JUN 17	0 ON MAY 27	16 200	1967
1968	---	4.02 ON JUN 30	0.238 ON MAY 5	22 200	1968
1969	---	3.14 ON JUN 23	0.289 ON OCT 29	23 000	1969
1970	---	6.94 ON JUN 13	0.283E ON MAY 1	22 400	1970
1971	---	4.67 ON JUL 10	0.099B ON OCT 31	26 200	1971
1972	---	3.60 ON JUL 14	0.113E ON OCT 31	24 200	1972
1973	---	6.12 ON JUN 15	0.343 ON MAY 4	29 400	1973
1974	---	4.13E ON JUL 4	0.184 ON MAY 31	29 600	1974
1975	---	6.29 ON JUL 30	0 ON JUN 3	35 900	1975
1976	---	5.24 ON JUL 1	0.487 ON MAY 9	44 200	1976
1977	---	4.59 ON JUL 11	0 ON MAY 1	37 900	1977
1978	---	5.97 ON AUG 23	0.004 ON MAY 30	30 500	1978
1979	---	4.01 ON JUL 30	0 A ON MAY 29	31 800	1979
1980	---	5.73 ON JUL 20	0.001E ON MAY 1	42 100	1980
1981	---	5.30 ON JUN 14	0.001E ON MAY 1	45 800	1981
1982	---	5.03 ON AUG 11	0.037 ON MAY 4	44 600	1982
MEAN				22 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	0.091	0.389	0.706	0.223	0.251	0.991	---	---	0.443	1924
1925	---	---	---	---	0.023	0.740	1.38	0.402	0.169	0.005	---	---	0.453	1925
1927	---	---	---	---	0	0.009	0.243	0.255	0.196	0.078	---	---	0.130	1927
1928	---	---	---	---	0.272	0.976	0.088	0.218	0.228	0.084	---	---	0.308	1928
1929	---	---	---	---	0.111	0.992	1.26	0.359	0.450	0.517	---	---	0.613	1929
1930	---	---	---	---	0.144	1.15	0.697	0.355	0.291	0.178	---	---	0.466	1930
MEAN	---	---	---	---	0.107	0.709	0.729	0.302	0.264	0.309	---	---	0.402	MEAN

LOCATION - LAT 50 08 03 N LONG 112 11 11 W REGULATED

DATA CONTRIBUTED BY - CANADA LAND AND IRRIGATION COMPANY

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	1.47 ON OCT 24	0 ON MAY 1 *	7 040	1924
1925	---	1.64 ON JUL 7 *	0 ON MAY 1	7 200	1925
1927	---	0.399 ON JUL 18	0 ON MAY 1	2 070	1927
1928	---	1.59 ON JUN 5	0 ON MAY 1	4 890	1928
1929	---	1.61 ON JUN 21	0 ON MAY 1	9 750	1929
1930	---	1.50 ON JUN 15	0 ON MAY 1	7 420	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 400	MEAN

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	0.002	0	0	0	0	0	---	---	---	1967
1968	---	---	---	---	---	0.001	0.006	---	---	---	---	---	---	1968
MEAN	---	---	---	---	0.002	0.001	0.003	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 51 10 N DRAINAGE AREA, 117 km^2
LONG 112 35 10 W REGULATED

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON MAY 1 *	---	1967
1968	---	---	0 ON JUN 1	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	2.06	1.22	0.648	---	1971
1972	0.611	0.823	0.849	2.33	6.22	32.9	12.8	5.02	5.38	4.34	3.71	1.06	6.32	1972
1973	0.377	0.328	0.330	8.73	20.5	8.98	7.81	4.40	3.08	2.50	1.26	1.23	4.99	1973
1974	1.08	0.945	0.947	7.28	20.3	7.93	4.95	3.75	3.73	3.82	1.80	1.19	4.83	1974
1975	0.982	0.786	0.907	3.31	7.47	3.73	4.06	1.77	1.41	0.994	0.681	0.831	2.26	1975
1976	0.741	0.572	0.510	3.50	4.55	4.39	2.64	6.49	2.36	1.29	0.837	1.06	2.42	1976
1977	0.926	1.00	0.914	1.39	24.5	11.4	5.40	6.77	9.46	5.38	2.28	1.44	5.95	1977
1978	1.38	1.28	1.87	4.79	12.0	17.2	17.6	5.91	7.92	4.38	2.40	1.78	6.58	1978
1979	1.25	0.873	1.43	1.71	7.73	4.96	2.48	1.93	1.17	1.36	0.823	0.882	2.23	1979
1980	0.645	0.609	0.577	4.30	8.79	36.4	14.2	7.97	7.55	4.04	2.16	1.74	7.39	1980
1981	1.38	1.12	1.45	2.19	15.0	8.38	22.6	11.3	4.38	3.61	2.84	1.10	6.35	1981
1982	0.954	1.63	1.19	1.46	7.35	7.75	27.3	6.87	4.66	5.88	2.30	1.47	5.78	1982
MEAN	0.939	0.906	0.998	3.73	12.2	13.1	11.1	5.65	4.65	3.30	1.86	1.20	5.01	MEAN

LOCATION - LAT 52 49 13 N DRAINAGE AREA, 875 km^2
LONG 115 31 10 W NATURAL FLOW

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	326 AT 20:00 MST ON JUN 25 *	231 ON JUN 25 *	0.368B ON DEC 29	200 000	1972
1973	31.1 AT 00:30 MST ON JUL 2	29.2 ON MAY 28	0.300B ON FEB 28 *	157 000	1973
1974	28.1 AT 14:30 MST ON MAY 17	27.4 ON MAY 17	0.900B ON JAN 29	152 000	1974
1975	20.5 AT 01:30 MST ON MAY 5	19.3 ON MAY 5	0.399B ON NOV 25	71 200	1975
1976	19.8 AT 20:30 MST ON AUG 17	18.3 ON AUG 17	0.510B ON FEB 17	76 500	1976
1977	96.8 AT 24:50 MST ON MAY 29	82.7 ON MAY 30	0.850B ON MAR 21	188 000	1977
1978	80.4 AT 08:40 MST ON JUL 12	69.9 ON JUL 12	1.20 B ON JAN 26	207 000	1978
1979	10.8 AT 13:00 MST ON MAY 19	10.4 ON MAY 19	0.750B ON FEB 26	70 300	1979
1980	235 AT 15:00 MST ON JUN 5	206 ON JUN 5	0.480B ON MAR 11	234 000	1980
1981	105 AT 22:30 MST ON JUL 24	85.5 ON JUL 24	0.790B ON DEC 16	200 000	1981
1982	145 AT 10:08 MST ON JUL 5	132 ON JUL 5	0.700B ON APR 2	182 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		158 000	MEAN

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.130	0.053	0.119	0.230	---	---	---	1972
1973	---	---	---	---	0.531	0.182	0.069	0.070	0.035	---	---	---	---	1973
1974	---	---	---	---	0.469	0.086	0.071	0.045	---	---	---	---	---	1974
MEAN	---	---	---	---	0.500	0.134	0.090	0.056	0.077	0.230	---	---	---	MEAN

LOCATION - LAT 53 19 00 N DRAINAGE AREA, 10.6 km²
LONG 117 24 00 W NATURAL FLOW

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.45 AT 23:30 MST ON MAY 27 *	1.16 ON MAY 28 *	---	---	1973
1974	0.779 AT 01:30 MST ON MAY 8	0.705 ON MAY 8	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.82	1.27	1.56	---	---	---	1909
1910	---	---	---	1.53	1.53	0.823	0.515	0.572	0.879	0.822	---	---	---	1910
MEAN	---	---	---	1.53	1.53	0.823	0.515	1.20	1.07	1.19	---	---	---	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 1 110 km² INTERNATIONAL GAUGING STATION
LONG 112 24 00 W NATURAL FLOW

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.33E ON JUN 9 *	---	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	1.24	1.00	0.628	0.530	2.46	0.934	---	---	---	1911
1912	---	---	---	2.22	1.17	0.704	---	---	---	---	---	---	---	1912
1919	---	---	---	---	0.588	0.333	0.222	0.217	0.190	---	---	---	---	1919
1920	---	---	---	---	---	0.803	0.436	0.327	---	---	---	---	---	1920
1921	---	---	---	---	---	0.398	0.307	0.297	---	---	---	---	---	1921
1922	---	---	---	---	1.06	0.461	0.331	0.276	0.251	---	---	---	---	1922
1923	---	---	---	---	0.695	0.589	0.357	0.297	0.280	---	---	---	---	1923
1924	---	---	---	---	0.557	0.743	0.304	0.340	0.328	---	---	---	---	1924
1925	---	---	---	---	0.986	0.583	0.335	0.404	0.463	---	---	---	---	1925
1926	---	---	---	0.756	0.360	0.355	0.287	0.292	0.462	---	---	---	---	1926
1927	---	---	---	---	2.30	2.88	1.46	1.28	1.69	---	---	---	---	1927
1928	---	---	---	---	1.39	1.29	1.40	1.16	1.01	---	---	---	---	1928
1929	---	---	---	---	1.46	1.18	0.720	0.565	0.624	0.689	---	---	---	1929
1930	---	---	---	1.96	1.05	0.689	0.434	0.419	0.460	---	---	---	---	1930
1931	---	---	---	0.521	0.419	0.340	0.319	0.301	0.321	0.359	---	---	0.368	1931
1932	---	---	---	---	0.890	0.469	0.273	0.289	0.261	---	---	---	---	1932
1933	---	---	---	---	1.00	0.555	0.219	0.189	0.241	0.297	---	---	---	1933
1934	---	---	---	---	0.345	0.368	0.222	0.188	0.304	---	---	---	---	1934
1935	---	---	---	---	0.591	0.362	0.246	0.191	0.221	---	---	---	---	1935
1936	---	---	---	---	0.418	0.258	0.125	0.162	0.196	0.216	---	---	---	1936
1937	---	---	---	---	0.894	0.977	0.243	0.198	0.285	0.319	---	---	---	1937
1938	---	---	---	---	0.573	0.315	0.275	0.200	0.197	---	---	---	---	1938
1939	---	---	---	0.400	0.276	0.289	0.119	0.108	0.156	0.189	0.206	---	0.219	1939
1940	---	---	---	---	0.339	0.202	0.145	0.093	0.110	0.140	---	---	---	1940
1941	---	---	---	---	0.202	0.236	0.147	0.115	0.164	0.171	---	---	---	1941
1942	---	---	0.487	2.07	0.558	0.682	0.330	0.335	0.331	0.336	---	---	0.658	1942
1943	---	---	---	1.29	0.982	1.07	0.587	0.515	0.534	0.562	---	---	0.788	1943
1944	---	---	---	0.723	0.462	0.437	0.283	0.303	0.282	0.321	---	---	0.400	1944
1945	---	---	---	0.690	0.437	0.558	0.267	0.212	0.288	0.291	---	---	0.390	1945
1946	---	---	---	0.397	0.377	0.291	0.219	0.186	0.222	0.342	---	---	0.290	1946
1947	---	---	---	1.26	1.07	0.639	0.338	0.354	0.457	---	---	---	---	1947
1948	---	---	---	4.72	1.71	3.94	1.79	1.11	0.942	---	---	---	---	1948
1949	---	---	---	---	1.14	0.763	0.516	0.443	0.469	---	---	---	---	1949
1950	---	---	---	2.57	1.61	1.01	0.625	0.437	0.405	0.461	---	---	1.01	1950
1951	---	---	---	---	1.87	2.80	2.50	1.86	1.74	---	---	---	---	1951
1952	---	---	---	---	1.42	1.04	0.818	0.772	0.727	0.724	---	---	---	1952
1953	---	---	---	---	1.59	3.78	1.60	1.20	1.14	1.06	---	---	---	1953
1954	---	---	---	---	2.17	1.15	0.805	0.813	0.865	---	---	---	---	1954
1955	---	---	---	---	---	1.34	1.03	0.757	0.799	---	---	---	---	1955
1956	---	---	---	1.08	1.11	0.731	0.788	0.631	0.518	0.559	---	---	0.774	1956
1957	---	---	---	1.10	1.10	0.616	0.376	0.370	0.451	---	---	---	---	1957
1958	---	---	---	2.13	0.726	0.636	0.567	0.436	0.470	---	---	---	---	1958
1959	---	---	---	1.56	1.50	0.848	0.451	0.384	0.459	---	---	---	---	1959
1960	---	---	---	0.966	0.999	0.506	0.363	0.404	0.383	---	---	---	---	1960
1961	---	---	---	0.511	0.685	0.337	0.327	0.293	0.410	0.395	---	---	0.423	1961
1962	---	---	---	1.06	0.562	0.374	0.277	0.229	0.293	---	---	---	---	1962
1963	---	---	---	0.401	0.341	0.380	0.270	0.198	0.201	---	---	---	---	1963
1964	---	---	---	0.827	1.27	1.36	0.685	0.583	0.697	---	---	---	---	1964
1965	---	---	---	3.16	1.18	1.19	0.771	0.593	0.793	0.664	---	---	1.19	1965
1966	---	---	---	0.969	0.828	1.48	1.00	0.837	0.791	0.897	---	---	0.970	1966
1967	---	---	---	1.47	4.64	1.54	0.917	0.774	0.757	0.786	---	---	1.56	1967
1968	---	---	---	0.910	1.37	1.11	0.681	0.557	0.981	0.893	---	---	0.928	1968
1969	---	---	---	---	1.00	1.20	0.836	0.618	0.579	0.685	---	---	---	1969
1970	---	---	---	1.16	1.50	0.859	0.537	0.459	0.501	0.593	---	---	0.802	1970
1971	---	---	---	1.37	0.935	0.602	0.409	0.359	0.387	0.414	---	---	0.637	1971
1972	---	---	---	1.18	1.51	0.787	0.552	0.418	0.463	0.433	---	---	0.762	1972
1973	---	---	---	0.684	0.524	0.364	0.314	0.291	0.297	0.310	---	---	0.397	1973
1974	---	---	---	1.13	1.02	0.562	0.363	0.402	0.350	0.323	---	---	0.591	1974
1975	---	---	---	1.13	3.19	2.21	1.25	0.996	0.895	0.912	---	---	1.51	1975
1976	---	---	---	1.07	1.01	0.777	0.567	0.534	0.418	0.470	---	---	0.692	1976
1977	---	---	---	0.622	0.433	0.324	0.285	0.370	0.356	0.371	---	---	0.394	1977
1978	---	---	---	0.687	0.745	0.482	0.408	0.330	0.507	0.427	---	---	0.512	1978
1979	---	---	---	1.62	1.52	0.827	0.482	0.463	0.443	0.479	---	---	0.832	1979
1980	---	---	0.526	1.05	0.850	0.675	0.445	0.472	0.483	0.506	---	---	0.639	1980
1981	---	---	0.547	0.657	1.15	0.951	0.727	0.607	0.603	0.691	---	---	0.770	1981
1982	---	---	---	---	0.886	0.692	0.435	0.364	0.381	0.415	---	---	---	1982
MEAN	---	---	0.520	1.27	1.06	0.883	0.559	0.472	0.536	0.504	0.206	---	0.712	MEAN

LOCATION - LAT 48 58 20 N, LONG 113 03 15 W   DRAINAGE AREA, 156 km²   NATURAL FLOW   INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1912 AND 1962

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	9.83 ON SEP 5	---	---	1911
1912	---	5.52 ON APR 1	---	---	1912
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	3.37 AT 23:30 MST ON JUN 21	1.81 ON JUN 22	---	---	1923
1924	4.76 AT 15:00 MST ON JUN 7	3.28 ON JUN 7	---	---	1924
1925	---	1.70 E ON MAY 1	---	---	1925
1926	4.53E ON APR 10	1.13 E ON APR 1	---	---	1926
1927	18.7 AT 14:00 MST ON MAY 29	12.9 ON MAY 29	---	---	1927
1928	---	---	---	---	1928
1929	4.02 AT 01:00 MST ON JUN 2	2.69 ON JUN 2	---	---	1929
1930	---	2.83 E ON APR 1	0.368 ON JUL 17	---	1930
1931	---	0.677A ON APR 7	0.261 ON JUL 22	6 810	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1934	2.92 AT 02:45 MST ON JUN 7	2.21 ON JUN 7	---	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	18.7 AT 22:30 MST ON JUN 12	7.36 ON JUN 13	---	---	1937
1938	---	---	---	---	1938
1939	---	0.663 ON JUN 16	0.088 ON AUG 4 *	4 050	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	15.0 AT 22:10 MST ON APR 7	8.55 ON APR 5	0.184 ON JUL 21	12 200	1942
1943	---	2.41 ON JUN 9	0.484 ON AUG 19	14 600	1943
1944	---	2.52 B ON APR 1	0.232 ON JUL 29	7 400	1944
1945	8.86 AT 05:00 MST ON APR 21	3.23 ON APR 21	0.207E ON AUG 6	7 220	1945
1946	---	0.595E ON OCT 29	0.144 ON AUG 7	5 370	1946
1947	---	2.12 ON APR 28	---	---	1947
1948	42.5 E ON JUN 17	28.9 E ON JUN 17	---	---	1948
1949	3.60 AT 00:30 MST ON MAY 20	2.41 ON MAY 20	---	---	1949
1950	15.6 E ON APR 17	3.26 E ON APR 1	0.351 ON SEP 4	18 700	1950
1951	42.2 AT 08:00 MST ON JUN 24	27.4 ON JUN 24	---	---	1951
1952	---	---	---	---	1952
1953	60.0 AT 22:00 MST ON APR 22	37.4 ON APR 22 *	---	---	1953
1954	11.0 AT 05:00 MST ON APR 17	7.31 ON APR 17	---	---	1954
1955	39.6 ON MAY 18	---	---	---	1955
1956	6.88 AT 18:00 MST ON JUL 3	3.77 ON JUL 3	0.470 ON SEP 15	14 300	1956
1957	---	2.27 ON MAY 4	---	---	1957
1958	25.9 AT 03:00 MST ON APR 14	10.4 ON APR 13	---	---	1958
1959	---	2.89 ON MAY 19	---	---	1959
1960	---	1.67 ON APR 5	---	---	1960
1961	---	1.59 ON MAY 10	0.232 ON AUG 6	7 810	1961
1962	---	2.78 ON APR 5	---	---	1962
1963	---	1.12 ON JUN 22	---	---	1963
1964	18.5 AT 15:00 MST ON JUN 8	11.1 ON JUN 8	---	---	1964
1965	---	7.14 B ON APR 6	0.532 ON AUG 14	21 900	1965
1966	15.0 AT 21:00 MST ON JUN 4	7.82 ON JUN 4	0.634 ON MAY 27	17 900	1966
1967	87.5 AT 19:00 MST ON MAY 8 *	34.8 ON MAY 8	0.368B ON APR 20	28 800	1967
1968	6.51 AT 20:15 MDT ON JUN 7	2.78 ON JUN 7	0.481 ON AUG 5	17 100	1968
1969	---	---	---	---	1969
1970	8.33 AT 05:00 MDT ON MAY 4	4.25 ON MAY 4	0.396 ON AUG 26	14 800	1970
1971	---	4.28 ON APR 5	0.311 ON AUG 21	11 800	1971
1972	6.71 AT 00:30 MST ON APR 7	3.23 ON APR 7	0.340B ON OCT 29	14 100	1972
1973	2.61 AT 02:30 MST ON APR 12	1.39 ON APR 12	0.266 ON AUG 17	7 340	1973
1974	4.90B AT 23:30 MST ON APR 6	2.52 ON APR 7	0.283 ON SEP 25	10 900	1974
1975	31.4 AT 07:45 MST ON JUN 20	18.8 ON JUN 20	0.283B ON APR 2	28 000	1975
1976	3.09 AT 16:45 MST ON MAY 5	2.12 ON MAY 5	0.396 ON SEP 2	12 800	1976
1977	1.53B AT 01:45 MST ON APR 8	1.19 B ON APR 8	0.255 ON JUL 23	7 280	1977
1978	2.61 AT 09:45 MDT ON SEP 12	1.93 ON SEP 12	0.221 ON AUG 12	9 450	1978
1979	4.81 AT 01:15 MST ON APR 18	3.62 ON APR 17	0.425 ON JUL 17	15 400	1979
1980	7.36 AT 15:30 MDT ON MAY 26	5.55 B ON APR 15	0.396 ON JUL 30	11 800	1980
1981	6.37 AT 23:15 MDT ON MAY 15	4.39 ON JUN 14	0.538 ON AUG 24	14 200	1981
1982	20.3 AT 01:30 MDT ON APR 23	7.90 ON APR 22	---	---	1982
				13 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.140	0.120	---	---	---	---	1972
1973	---	---	---	---	0.280	0.253	0.213	0.132	0.083	---	---	---	---	1973
1974	---	---	---	---	0.211	0.149	0.125	0.102	---	---	---	---	---	1974
MEAN	---	---	---	---	0.246	0.201	0.169	0.125	0.102	---	---	---	---	MEAN

LOCATION - LAT 53 43 00 N LONG 118 16 00 W

DRAINAGE AREA, 17.6 km^2 NATURAL FLOW

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.606B AT 01:00 MST ON MAY 6 *	0.481 ON JUN 24 *	---	---	1973
1974	0.436 AT 05:30 MST ON JUL 12	0.371 ON JUL 12	---	---	1974
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH MILK RIVER AT KNIGHT'S RANCH - STATION NO. 11AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.67	1.18	1.46	---	---	---	1909
1910	---	---	---	---	1.44	0.955	0.595	0.547	0.739	0.654	---	---	---	1910
1913	---	---	---	---	---	---	0.755	0.732	0.675	---	---	---	---	1913
1914	---	---	---	---	---	---	0.455	---	---	---	---	---	---	1914
MEAN	---	---	---	---	1.44	0.955	0.602	0.983	0.865	1.06	---	---	---	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 622 km^2
LONG 112 40 00 W NATURAL FLOW

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.51	1.48	1.42	---	---	---	1909
1910	---	---	---	1.11	0.979	0.840	0.677	0.576	0.755	0.625	---	---	---	1910
1911	---	---	---	---	1.65	1.84	0.941	1.18	1.90	0.931	---	---	---	1911
1912	---	---	---	1.27	1.57	0.954	1.22	0.634	0.811	0.790	---	---	---	1912
1913	0.360	0.598	0.703	2.21	1.67	1.15	0.677	0.629	0.714	0.877	0.783	0.496	1.08	1913
1914	0.420	0.384	0.862	1.74	0.737	0.520	0.419	0.430	0.418	1.10	0.868	0.570	0.776	1914
1915	0.449	0.486	1.84	1.15	1.06	3.39	2.89	1.91	2.22	2.08	1.45	1.13	2.07	1915
1916	0.881	3.32	2.21	2.26	2.33	3.24	2.04	2.35	2.14	1.74	1.53	0.976	2.29	1916
1917	0.903	0.987	0.874	4.73	5.00	2.91	7.64	8.91	4.33	1.14	1.07	0.915	4.45	1917
1918	1.30	0.605	1.22	1.52	1.09	7.71	11.5	7.03	1.61	0.496	0.538	0.416	4.03	1918
1919	0.423	0.426	0.749	2.57	11.6	11.8	11.3	11.4	5.08	1.63	0.398	0.417	7.03	1919
1920	0.316	0.403	0.948	2.27	5.63	11.2	12.7	10.0	0.475	0.448	0.436	0.308	5.46	1920
1921	0.268	0.330	0.612	1.91	3.82	10.5	9.48	3.90	0.271	0.304	0.345	0.331	3.84	1921
1922	0.290	0.177	0.354	1.49	2.25	6.99	9.78	8.81	5.89	0.481	---	---	4.50	1922
1923	---	---	0.495	1.40	6.50	12.5	10.2	9.58	2.47	0.364	---	---	5.43	1923
1924	---	---	0.450	1.29	7.41	10.1	11.4	13.5	3.30	0.328	---	---	5.98	1924
1925	---	---	1.22	2.46	11.2	14.8	14.7	13.8	10.5	5.16	---	---	9.24	1925
1926	---	---	0.454	3.71	12.7	13.6	13.3	3.25	3.45	0.333	---	---	6.35	1926
1927	---	---	1.10	2.60	3.85	4.46	12.2	13.3	2.24	1.67	---	---	5.20	1927
1928	---	---	---	2.11	1.67	14.9	11.4	12.7	2.65	1.49	---	---	---	1928
1929	---	---	1.17	2.44	3.49	11.6	13.9	13.2	8.41	3.46	---	---	7.21	1929
1930	---	---	4.11	2.25	1.32	9.01	15.0	13.3	5.33	0.599	---	---	6.37	1930
1931	---	---	0.859	1.79	10.6	15.3	15.8	14.8	2.78	1.86	---	---	7.99	1931
1932	---	---	2.06	7.44	15.4	13.7	16.8	16.5	5.48	0.724	---	---	9.77	1932
1933	---	---	0.613	2.17	12.8	14.7	17.7	17.3	7.52	1.87	---	---	9.35	1933
1934	---	---	0.907	3.33	18.3	17.4	19.7	17.8	1.24	0.418	---	---	9.92	1934
1935	---	0.268	0.385	1.28	11.3	16.3	19.9	16.1	8.60	0.254	---	---	9.27	1935
1936	---	---	0.342	2.39	12.7	19.7	20.6	13.9	2.36	1.22	---	---	9.16	1936
1937	---	---	0.365	1.41	15.5	8.90	19.2	20.0	5.14	0.354	---	---	8.92	1937
1938	---	---	0.636	2.89	11.9	16.9	18.6	18.7	4.45	2.02	---	---	9.54	1938
1939	---	---	0.694	3.86	16.0	18.8	18.6	13.2	0.590	1.15	4.97	---	9.13	1939
1940	---	---	0.589	0.670	11.2	16.5	18.1	10.1	0.265	0.230	---	---	7.23	1940
1941	---	---	0.384	2.68	14.5	15.5	17.9	7.49	2.39	0.171	---	---	7.63	1941
1942	---	---	0.509	8.90	19.2	6.42	18.8	16.5	13.1	0.767	---	---	10.6	1942
1943	---	---	1.42	1.71	1.21	10.8	14.4	15.5	15.1	2.30	---	---	7.79	1943
1944	---	---	0.679	3.09	14.4	12.9	12.1	9.27	1.89	0.309	---	---	6.84	1944
1945	---	---	0.544	1.70	16.3	17.1	16.9	16.5	14.7	2.50	---	---	10.8	1945
1946	---	---	0.599	10.6	16.3	17.8	16.5	15.3	14.8	0.578	---	---	11.5	1946
1947	---	---	2.92	2.07	6.20	14.0	16.9	16.1	13.2	0.965	---	---	9.03	1947
1948	---	---	1.63	5.22	5.42	12.9	15.6	17.0	15.3	1.33	---	---	9.28	1948
1949	---	---	1.29	2.31	15.5	17.2	16.3	15.5	10.1	0.683	---	---	9.86	1949
1950	---	---	0.840	2.96	4.66	11.2	15.6	14.6	15.2	14.8	---	---	9.99	1950
1951	---	---	1.57	3.43	2.42	8.59	16.8	18.4	7.08	2.07	---	---	7.56	1951
1952	---	---	2.63	4.52	1.72	1.23	13.9	16.7	16.4	4.89	---	---	7.75	1952
1953	---	---	1.90	6.44	17.3	9.72	7.19	15.5	15.7	2.34	---	---	9.49	1953
1954	---	---	1.19	3.14	6.35	12.1	16.4	16.7	3.20	0.886	---	---	7.51	1954
1955	---	---	0.950	2.39	5.99	9.53	16.0	17.7	9.61	0.879	---	---	7.89	1955
1956	---	---	1.91	4.20	15.6	17.4	17.4	16.4	15.7	7.86	---	---	12.1	1956
1957	---	---	1.48	4.81	17.6	17.2	16.3	15.8	9.86	0.783	---	---	10.5	1957
1958	---	---	0.660	4.51	16.8	18.5	18.2	18.0	9.62	0.547	---	---	10.9	1958
1959	---	---	1.17	11.5	19.3	18.3	16.7	17.9	18.2	5.28	---	---	13.5	1959
1960	---	---	2.49	2.05	15.7	19.7	18.1	18.5	12.0	0.494	---	---	11.1	1960
1961	---	---	0.718	12.2	12.8	18.7	18.5	18.1	12.8	2.16	---	---	12.0	1961
1962	---	---	1.57	13.7	19.1	18.8	18.4	17.3	1.33	0.284	---	---	11.3	1962
1963	---	0.775	0.500	15.8	17.3	19.9	19.0	19.1	12.3	0.233	---	---	13.0	1963
1964	---	---	0.406	9.61	17.0	11.6	10.4	20.0	16.7	0.783	---	---	10.8	1964
1965	---	---	1.07	4.20	2.01	20.7	13.9	19.2	11.8	0.820	---	---	9.17	1965
1966	---	---	1.85	1.25	16.6	20.6	17.3	19.8	15.3	0.958	---	---	11.7	1966
1967	---	---	1.95	1.93	4.85	6.07	19.6	19.8	17.6	0.859	---	---	9.08	1967
1968	---	---	1.36	12.5	19.0	20.7	19.8	19.1	13.9	1.11	---	---	13.4	1968
1969	---	---	1.70	4.13	10.7	21.0	19.9	20.4	10.1	0.816	---	---	11.1	1969
1970	---	---	0.853	7.54	8.73	16.5	18.9	18.9	9.77	0.551	---	---	10.2	1970
1971	---	---	0.688	2.00	7.26	6.93	19.6	19.1	19.2	4.75	---	---	9.96	1971
1972	---	---	4.01	1.63	16.6	14.2	19.5	19.5	19.6	6.36	---	---	12.7	1972
1973	---	---	0.679	2.32	13.6	20.2	19.2	15.8	0.349	0.317	---	---	9.08	1973
1974	---	---	0.929	14.1	17.3	16.7	19.7	18.4	14.2	0.377	---	---	12.7	1974
1975	---	---	0.381	1.50	4.80	6.14	8.64	18.9	15.8	1.04	---	---	7.14	1975
1976	---	---	1.61	3.12	17.6	21.1	20.2	20.3	18.4	2.53	---	---	13.1	1976
1977	---	---	0.449	1.03	14.3	18.6	5.42	5.31	2.67	0.335	---	---	5.99	1977
1978	---	---	2.38	0.814	1.99	11.1	14.2	14.5	4.64	0.457	---	---	6.27	1978
1979	---	---	2.64	2.20	3.77	18.5	17.9	17.7	5.26	0.462	---	---	8.55	1979
1980	---	---	3.87	12.8	15.2	19.1	19.2	17.8	7.21	0.509	---	---	11.9	1980
1981	---	---	11.4	10.0	16.7	19.5	19.8	17.5	15.9	0.791	---	---	13.9	1981
1982	---	---	0.820	2.59	14.8	15.4	16.5	0.452	0.380	0.423	---	---	6.42	1982
MEAN	0.561	0.730	1.38	4.10	9.97	12.9	14.4	13.5	7.88	1.55	1.24	0.618	8.59	MEAN

LOCATION - LAT 49 01 19 N LONG 112 58 18 W

DRAINAGE AREA, 238 km²
REGULATED SINCE 1916

INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.04 ON JUN 8	---	---	1910
1911	19.9 ON JUN 25	9.85 ON JUN 25	---	---	1911
1912	---	3.71 ON MAY 22	---	---	1912
1913	---	7.87B ON APR 14	0.481 ON AUG 7	22 800	1913
1914	---	14.6 ON APR 5	0.314 ON AUG 7	16 400	1914
1915	15.8 ON SEP 3	8.41 ON SEP 3	0.481 ON APR 29	43 700	1915
1916	---	6.82 ON JUN 28	1.02 B ON MAR 1	48 400	1916
1917	13.9 ON APR 9	13.6 ON APR 9	0.651B ON MAR 1	94 200	1917
1918	---	12.1 ON JUL 16	0.459 ON OCT 9	85 300	1918
1919	13.5 AT 06:00 MST ON MAY 9	13.1 ON MAY 9	0.227B ON MAR 1	149 000	1919
1920	25.4 ON MAY 8	21.9 ON MAY 8	0.297B ON MAR 6	116 000	1920
1921	13.4 AT 15:00 MST ON JUN 20	13.1 ON JUN 20	0.195 ON SEP 23	81 300	1921
1922	14.5 AT 19:00 MST ON AUG 17	14.2 ON AUG 17	0.198B ON MAR 1	95 300	1922
1923	19.1 AT 01:00 MST ON JUN 22	16. ON JUN 22	0.255B ON MAR 2	115 000	1923
1924	19.1 AT 14:00 MST ON JUN 7	16. ON JUN 7	0.266 ON SEP 29	127 000	1924
1925	16.7 AT 01:00 MST ON AUG 16	15.8 ON JUN 14	0.263B ON MAR 13	196 000	1925
1926	---	15.4 ON JUN 20	0.300A ON APR 3	134 000	1926
1927	21.8 AT 18:00 MST ON MAY 29	16.3 ON MAY 30	0.091B ON MAR 1	110 000	1927
1928	27.1 AT 23:00 MST ON JUN 24	24.4 ON JUN 18	---	---	1928
1929	20.6 AT 09:00 MST ON JUN 2	18.3 ON JUN 2	0.345B ON MAR 1	153 000	1929
1930	16.9 AT 10:00 MST ON JUL 19	16.0 ON JUL 19	0.314B ON MAR 2	135 000	1930
1931	17.4 AT 16:30 MST ON JUN 30	16.7 ON JUL 31	0.278 ON OCT 11	169 000	1931
1932	20.0 AT 11:30 MST ON JUN 16	18.1 ON JUN 16	0.283B ON MAR 12	207 000	1932
1933	18.7 AT 19:00 MST ON JUN 28	18.5 ON AUG 24	0.238 ON SEP 28	198 000	1933
1934	26.0 AT 02:30 MST ON JUN 27	22.5 ON JUN 7	0.266 ON SEP 16	210 000	1934
1935	21.1 AT 21:00 MST ON JUL 28	20.5 ON JUL 21	0.170B ON OCT 31	196 000	1935
1936	21.4 AT 09:30 MST ON MAY 28	21.3 ON MAY 28	0.085B ON APR 4	194 000	1936
1937	68.0 AT 21:00 MST ON JUN 12	30.9 ON JUN 13	0.142B ON MAR 21	189 000	1937
1938	25.2 AT 21:00 MST ON JUN 26	20.6 ON JUN 26	0.193 ON SEP 21	202 000	1938
1939	20.3 AT 06:00 MST ON JUN 16	19.7 ON JUN 16	0.057B ON MAR 1	193 000	1939
1940	20.7 AT 18:30 MST ON JUL 27	20.3 ON JUL 27	0 B ON MAR 1 *	153 000	1940
1941	20.0 AT 15:00 MST ON JUN 3	19.9 ON JUN 4	0.153 ON OCT 10	162 000	1941
1942	25.5 AT 16:30 MST ON JUN 5	24.2 ON JUN 5	0.113B ON MAR 1	223 000	1942
1943	17.7 AT 16:00 MST ON JUN 13	17.3 ON JUN 13	0.227B ON MAR 15	165 000	1943
1944	17.2 AT 03:00 MST ON JUL 26	17.1 ON JUL 22	0.280 ON OCT 24	145 000	1944
1945	19.7 AT 02:00 MST ON JUN 5	18.2 ON JUN 5	0.227B ON MAR 6	228 000	1945
1946	18.5 AT 02:00 MST ON JUN 15	18.2 ON JUN 24	0.221 ON OCT 27	244 000	1946
1947	18.8 AT 13:30 MST ON JUL 19	17.4 ON JUN 28	0.113B ON MAR 11	191 000	1947
1948	83.5 AT 09:30 MST ON JUN 17 *	45.3 ON JUN 17	0.311B ON MAR 1	196 000	1948
1949	20.1 AT 09:30 MST ON MAY 17	18.9 ON MAY 17	0.396B ON MAR 15	209 000	1949
1950	18.0 ON MAY 17	17.8 ON MAY 17	0.623B ON MAR 29	211 000	1950
1951	---	46.7 ON JUN 24 *	0.170B ON MAR 1	160 000	1951
1952	25.3B AT 22:00 MST ON APR 6	17.8 ON JUL 19	0.821B ON MAR 3	164 000	1952
1953	47.6 AT 10:00 MST ON JUN 3	37.7 ON JUN 3	0.538B ON MAR 1	201 000	1953
1954	18.0 AT 20:00 MST ON AUG 26	17.4 ON AUG 27	0.708B ON MAR 30	159 000	1954
1955	28.0 AT 19:00 MST ON MAY 18	19.3 ON JUL 11	0.198B ON MAR 25	167 000	1955
1956	28.9 AT 20:00 MST ON JUL 3	23.2 ON JUL 3	0.340B ON MAR 11	255 000	1956
1957	19.3 AT 12:00 MST ON MAY 21	19.0 ON MAY 21	0.566B ON MAR 7	222 000	1957
1958	23.8 AT 21:00 MST ON APR 12	20.2 ON MAY 13	0.311B ON MAR 6	230 000	1958
1959	24.2 AT 05:00 MST ON MAY 19	22.2 ON MAY 19	0.510B ON MAR 10	286 000	1959
1960	21.2 ON JUN 20	21.1 ON JUN 19	0.113B ON MAR 1	236 000	1960
1961	24.4 AT 17:00 MST ON AUG 16	19.6 ON MAY 27	0.396B ON MAR 1	253 000	1961
1962	22.1 AT 04:00 MST ON APR 14	21.2 ON JUN 14	0.147B ON MAR 10	240 000	1962
1963	23.4 AT 17:00 MST ON JUN 22	22.3 ON JUN 22	0.201 ON OCT 2	275 000	1963
1964	54.9 AT 16:00 MST ON JUN 8	38.5 ON JUN 8	0.210B ON MAR 4	228 000	1964
1965	31.7 AT 09:30 MST ON JUN 17	28.3 ON JUN 26	0.657B ON MAR 23	194 000	1965
1966	44.2 AT 21:00 MST ON JUN 4	34.3 ON JUN 4	0.552B ON MAR 3	248 000	1966
1967	60.6 AT 22:00 MST ON MAY 8	25.3 ON MAY 8	0.447B ON APR 20	192 000	1967
1968	28.9 AT 23:30 MST ON JUN 7	24.0 ON JUN 7	0.827B ON MAR 10	284 000	1968
1969	27.5 AT 07:35 MST ON JUN 26	25.6 ON JUN 29	0.345B ON MAR 13	234 000	1969
1970	29.2 AT 17:26 MST ON JUN 13	25.4 ON JUN 13	0.433B ON OCT 27	216 000	1970
1971	21.7 AT 08:00 MST ON JUN 29	21.4 ON JUN 29	0.187B ON MAR 6	211 000	1971
1972	42.5B AT 22:00 MST ON MAR 16	26.0 B ON MAR 16	0.275B ON MAR 4	269 000	1972
1973	21.0 AT 12:40 MST ON JUN 10	20.7 ON JUN 10	0.286 ON SEP 12	192 000	1973
1974	28.9 AT 20:00 MST ON APR 30	24.6 ON APR 30	0.227B ON MAR 6	268 000	1974
1975	56.4 AT 06:50 MST ON JUN 20	41.9 ON JUN 20	0.311B ON APR 6	151 000	1975
1976	25.2 AT 05:20 MST ON JUN 14	23.5 ON JUN 14	0.496 ON OCT 28	277 000	1976
1977	19.5 AT 08:20 MST ON JUN 16	19.2 ON JUN 11	0.297 ON OCT 19	127 000	1977
1978	19.6 AT 07:55 MST ON AUG 23	18.6 ON JUL 8	0.379A ON OCT 31	133 000	1978
1979	21.7 AT 10:35 MST ON JUN 18	21.1 ON JUN 18	0.364 ON SEP 29	181 000	1979
1980	32.6 AT 13:40 MST ON MAY 26	28.2 ON MAY 26	0.416 ON SEP 30	253 000	1980
1981	33.9 AT 05:50 MST ON JUN 14	29.1 ON JUN 14	0.591B ON MAR 1	295 000	1981
1982	22.2 AT 07:40 MST ON MAY 28	20.4 ON MAY 27	0.301 ON SEP 9	136 000	1982
MEAN				182 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	1.62	1.61	1.17	0.724	0.488	---	---	---	1975
1976	---	---	---	---	1.51	1.94	2.68	3.61	1.61	0.911	---	---	2.05	1976
1977	---	---	---	---	3.31	6.17	3.88	3.84	3.20	1.94	---	---	3.71	1977
1978	---	---	---	---	4.97	12.7	8.50	4.41	4.98	2.42	---	---	6.31	1978
1979	---	---	---	---	2.97	3.51	2.34	1.67	0.974	0.723	---	---	2.03	1979
1980	---	---	---	---	2.71	18.7	5.34	3.18	2.77	1.95	---	---	5.71	1980
1981	---	---	---	---	4.68	3.46	17.9	5.95	1.91	1.29	---	---	5.90	1981
1982	---	---	---	---	0.957	5.32	9.47	1.97	1.45	1.44	---	---	3.43	1982
MEAN	---	---	---	---	3.02	6.68	6.47	3.23	2.20	1.40	---	---	4.16	MEAN

LOCATION - LAT 52 16 55 N DRAINAGE AREA, 348 km²
LONG 115 59 30 W NATURAL FLOW

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	2.59 AT 12:00 MST ON JUL 14	2.37 ON JUL 15	---	---	1975
1976	5.69 AT 05:30 MST ON AUG 5	5.18 ON AUG 5	0.396 ON MAY 1	32 500	1976
1977	19.0 AT 00:30 MST ON JUN 2	16.5 ON JUN 2	0.244 ON MAY 1 *	59 000	1977
1978	23.3 AT 23:00 MST ON JUN 2	20.2 ON JUN 2	1.40 ON MAY 7	100 000	1978
1979	11.7 AT 20:30 MST ON MAY 24	8.89 ON MAY 24	0.589 ON MAY 8	32 300	1979
1980	54.1 AT 03:45 MST ON JUN 5	49.3 ON JUN 5	1.34 ON MAY 22	90 800	1980
1981	72.4 AT 18:55 MST ON JUL 14 *	63.2 ON JUL 15 *	0.519 ON MAY 1	93 700	1981
1982	33.4 AT 20:22 MST ON JUL 6	31.5 ON JUL 6	0.300E ON MAY 1	54 700	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		66 100	MEAN

E - ESTIMATED

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	262	493	796	697	326	187	72.8	46.8	---	1911
1912	35.6	37.6	37.3	13'	338	517	967	749	365	203	90.0	47.6	295	1912
1913	39.5	37.2	37.3	233	275	561	608	524	267	128	66.7	30.0	235	1913
1914	34.4	27.0	32.2	84.4	257	697	535	314	184	129	70.0	31.2	200	1914
1915	34.7	30.6	47.5	94.0	237	1 080	1 210	667	292	161	85.4	48.6	334	1915
1916	34.9	32.8	49.9	135	196	725	829	592	469	212	122	73.2	290	1916
1917	57.7	39.6	37.9	140	723	716	582	372	241	167	98.4	51.9	271	1917
1918	55.4	35.0	54.4	197	186	551	479	400	238	145	74.3	40.9	205	1918
1919	35.2	28.5	24.7	90.3	166	266	341	419	277	106	46.4	32.8	153	1919
1920	33.4	32.8	33.1	79.8	661	468	699	417	184	97.4	59.3	28.7	234	1920
1921	33.1	31.5	32.2	177	329	428	437	371	127	78.1	39.8	29.1	177	1921
1922	22.5	22.8	25.5	69.1	247	420	410	472	246	116	49.7	21.8	178	1922
1923	20.1	26.8	25.2	82.5	159	969	683	545	303	143	74.1	61.0	258	1923
1924	26.1	27.6	31.1	58.9	357	412	485	490	272	127	56.4	34.7	199	1924
1925	28.8	26.6	28.2	355	279	548	517	767	477	266	81.6	71.9	288	1925
1926	41.0	39.5	51.3	182	175	382	454	323	774	294	128	39.1	240	1926
1927	44.1	41.6	58.8	269	343	682	785	526	329	193	72.0	54.0	285	1927
1928	69.4	66.4	89.4	157	236	915	944	423	220	112	64.0	43.4	279	1928
1929	29.9	27.9	36.3	65.9	261	463	284	303	194	93.7	47.6	32.8	154	1929
1930	29.9	31.9	43.6	123	205	449	444	352	225	109	53.8	41.5	176	1930
1931	30.5	27.1	27.7	69.5	182	398	585	368	240	125	64.6	54.6	182	1931
1932	40.6	31.5	27.2	156	315	840	435	421	250	122	61.7	41.0	228	1932
1933	43.5	34.8	32.7	141	447	476	467	372	252	91.3	44.9	30.3	204	1933
1934	39.1	35.3	67.3	158	282	410	322	292	162	105	54.5	40.7	165	1934
1935	22.6	27.3	26.7	156	279	535	831	491	228	114	98.1	34.9	239	1935
1936	34.6	32.9	24.7	340	408	497	345	346	197	101	60.4	25.6	201	1936
1937	16.7	16.4	24.9	66.0	208	362	514	323	222	120	87.5	48.0	168	1937
1938	37.4	21.7	30.9	76.1	176	575	610	425	344	156	68.2	40.4	214	1938
1939	36.4	30.9	54.4	101	184	438	487	346	194	122	82.1	42.3	177	1939
1940	27.6	23.2	29.0	251	297	331	404	290	256	128	49.9	38.7	178	1940
1941	27.9	29.2	31.2	70.5	96.6	317	402	342	184	117	51.1	32.9	143	1941
1942	31.0	28.9	24.6	91.4	187	531	707	486	308	153	80.1	57.1	225	1942
1943	45.5	34.7	36.2	320	164	483	560	385	186	102	43.9	25.3	200	1943
1944	28.6	29.1	35.4	95.5	218	1 040	652	551	274	143	70.3	31.1	264	1944
1945	34.5	33.0	37.4	63.9	243	410	401	327	186	180	73.9	50.3	171	1945
1946	44.0	39.2	41.5	131	224	720	472	300	214	103	38.0	55.8	199	1946
1947	47.2	40.2	49.8	217	284	511	528	334	251	153	97.6	55.0	215	1947
1948	46.6	39.2	41.1	197	1 130	718	543	559	233	114	56.6	26.4	310	1948
1949	33.5	32.6	33.0	119	165	245	433	319	166	89.0	59.0	19.6	144	1949
1950	24.4	26.0	28.0	97.8	166	555	568	349	207	95.1	40.4	38.6	184	1950
1951	30.5	26.7	27.5	97.6	466	406	626	361	288	157	92.8	56.3	221	1951
1952	53.6	46.3	48.6	290	210	944	668	454	239	137	63.1	27.1	265	1952
1953	36.4	39.7	37.8	89.6	351	784	591	509	264	115	73.1	37.6	245	1953
1954	36.8	42.4	33.6	77.4	535	969	637	864	701	243	129	74.4	363	1954
1955	46.7	53.0	45.4	178	372	555	502	268	178	82.6	38.1	37.7	197	1955
1956	35.0	29.9	30.3	214	229	471	447	330	189	101	48.6	31.8	180	1956
1957	30.9	25.6	32.1	111	384	400	303	276	225	152	97.9	52.1	175	1957
1958	43.8	38.7	38.9	153	390	570	681	364	208	103	51.0	37.9	225	1958
1959	34.9	32.9	43.7	77.5	182	636	546	294	208	138	76.0	57.0	194	1959
1960	41.5	40.2	68.9	123	234	386	619	348	159	103	50.9	35.5	185	1960
1961	36.4	33.3	48.7	71.2	259	488	390	426	177	94.8	43.9	52.0	178	1961
1962	58.3	63.5	47.2	151	224	391	482	354	185	95.4	118	67.5	187	1962
1963	54.3	65.7	85.1	237	274	468	552	322	209	106	60.9	66.6	209	1963
1964	67.0	65.3	67.6	106	372	725	507	225	230	192	109	63.7	228	1964
1965	59.3	84.6	110	315	291	1 090	1 080	459	321	236	116	81.0	355	1965
1966	102	93.3	83.3	177	255	358	654	532	238	176	89.4	73.0	237	1966
1967	86.9	91.4	77.8	124	255	687	465	288	203	94.5	67.5	62.0	209	1967
1968	88.5	91.2	113	94.3	185	364	412	391	202	135	69.5	61.3	184	1968
1969	91.1	76.8	70.6	196	258	423	725	458	208	100	85.3	68.9	231	1969
1970	67.2	74.1	73.7	153	214	521	444	257	119	83.8	57.1	74.6	179	1970
1971	62.4	50.9	53.6	228	197	590	510	402	149	95.8	75.5	53.0	206	1971
1972	71.7	67.3	84.2	154	192	903	622	274	131	147	89.0	84.7	235	1972
1973	106	122	106	242	374	338	287	201	166	161	98.6	90.7	191	1973
1974	107	142	98.7	432	431	410	333	190	204	186	124	114	231	1974
1975	127	108	105	197	229	188	183	134	108	91.1	93.2	117	140	1975
1976	108	123	121	188	187	207	180	258	215	153	151	112	167	1976
1977	131	99.4	98.6	149	324	348	219	248	225	163	115	116	187	1977
1978	127	146	134	164	239	511	462	223	268	182	168	146	231	1978
1979	112	130	181	190	243	204	203	166	129	105	93.6	81.2	153	1979
1980	82.2	94.1	152	258	199	857	423	233	218	161	127	73.0	239	1980
1981	111	102	124	159	379	274	492	467	215	159	166	129	233	1981
1982	103	128	128	240	216	282	742	168	177	182	104	129	218	1982
MEAN	52.8	51.9	57.0	159	287	540	538	390	243	138	78.8	55.7	216	MEAN

LOCATION - LAT 53 32 20 N LONG 113 29 10 W
DRAINAGE AREA, 28 000 km²
REGULATED SINCE 1960

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	1 460 ON JUL 3	---	---	1911
1912	---	2 100 ON JUL 10	30.0 ON MAR 25	9 320 000	1912
1913	---	923 ON AUG 15	18.4 ON DEC 24	7 410 000	1913
1914	---	1 750 ON JUN 9	19.8 B ON DEC 15	6 320 000	1914
1915	5 800 ON JUN 28 *	4 640 ON JUN 29 *	28.6 B ON JAN 30	10 500 000	1915
1916	1 740 ON JUN 22	1 670 ON JUN 22	26.9 B ON MAR 4	9 180 000	1916
1917	---	1 860 ON MAY 18	27.2 B ON DEC 12	8 540 000	1917
1918	---	1 000 ON JUN 16	27.2 B ON FEB 20	6 470 000	1918
1919	---	564 ON JUN 24	19.5 B ON MAR 4	4 840 000	1919
1920	---	1 620 ON MAY 10	22.7 B ON DEC 23	7 410 000	1920
1921	776 ON MAY 23	705 ON MAY 23	10.8 B ON NOV 25	5 590 000	1921
1922	810 AT 19:00 MST ON AUG 18	731 ON AUG 18	15.3 B ON DEC 16	5 610 000	1922
1923	2 820 AT 09:00 MST ON JUN 25	2 380 ON JUN 25	15.3 B ON JAN 11	8 150 000	1923
1924	782 ON JUL 5	779 ON JUL 5	21.4 B ON DEC 26	6 300 000	1924
1925	2 180A AT 11:50 MST ON AUG 18	2 150A ON AUG 18	15.2 B ON FEB 26	9 090 000	1925
1926	---	1 660 ON SEP 4	32.3 B ON JAN 19	7 580 000	1926
1927	1 280 AT 18:00 MST ON JUN 28	1 140 ON JUN 29	37.7 B ON NOV 13	8 970 000	1927
1928	---	1 730 ON JUL 7	34.5 B ON DEC 31	8 810 000	1928
1929	---	1 080 ON JUN 5	27.3 B ON JAN 19	4 850 000	1929
1930	677 AT 06:00 MST ON JUN 13	671 ON JUL 17	27.0 B ON JAN 16	5 560 000	1930
1931	---	1 110 ON JUL 2	19.8 B ON MAR 16	5 740 000	1931
1932	---	1 870 ON JUN 4	22.5 B ON DEC 13	7 230 000	1932
1933	---	974 ON JUN 19	26.1 B ON DEC 23	6 420 000	1933
1934	---	796 ON JUN 1	18.5 B ON DEC 31	5 190 000	1934
1935	---	1 310 ON JUL 11	11.5 B ON JAN 3	7 530 000	1935
1936	---	1 140 ON APR 19	13.6 B ON DEC 23	6 360 000	1936
1937	---	892 ON JUL 17	13.6 B ON JAN 3	5 310 000	1937
1938	---	1 130 ON JUL 4	19.3 B ON FEB 4	6 760 000	1938
1939	---	855 ON JUN 28	9.40B ON DEC 31	5 600 000	1939
1940	---	1 010B ON APR 18	6.23B ON JAN 1 *	5 610 000	1940
1941	---	756 ON JUN 28	16.5 B ON NOV 26	4 500 000	1941
1942	---	1 200 ON JUL 14	22.5 B ON MAR 27	7 100 000	1942
1943	---	1 250 ON APR 12	15.6 B ON NOV 22	6 290 000	1943
1944	3 570 AT 16:00 MST ON JUN 16	3 450 ON JUN 16	19.8 B ON JAN 5	8 360 000	1944
1945	---	688 ON JUN 1	26.8 B ON JAN 1	5 400 000	1945
1946	---	1 270 ON JUN 24	17.0 B ON NOV 26	6 280 000	1946
1947	---	810 ON JUN 13	30.3 B ON MAR 17	6 770 000	1947
1948	---	1 850 ON MAY 25	20.7 B ON DEC 14	9 800 000	1948
1949	---	926 ON JUL 22	12.2 B ON DEC 13	4 530 000	1949
1950	1 520 AT 05:00 MST ON JUN 17	1 420 ON JUN 17	17.7 B ON NOV 25	5 800 000	1950
1951	1 160 AT 13:00 MST ON MAY 3	1 100 ON MAY 3	24.8 B ON MAR 19	6 980 000	1951
1952	3 740 AT 11:00 MST ON JUN 25	3 540 ON JUN 25	18.5 B ON NOV 29	8 390 000	1952
1953	1 300 AT 10:00 MST ON JUN 5	1 270 ON JUN 5	28.0 B ON JAN 1	7 720 000	1953
1954	3 340 AT 21:45 MST ON JUN 8	3 030 ON JUN 8	23.6 B ON APR 8	11 400 000	1954
1955	906 AT 01:00 MST ON JUN 15	861 ON JUN 15	16.4 B ON NOV 20	6 210 000	1955
1956	753 AT 16:00 MST ON JUN 7	722 ON JUN 7	14.3 B ON DEC 13	5 690 000	1956
1957	663 AT 07:00 MST ON MAY 22	617 ON JUN 11	22.8 B ON JAN 29	5 520 000	1957
1958	1 480 AT 18:00 MST ON JUN 30	1 410 ON JUN 30	16.9 B ON DEC 14	7 080 000	1958
1959	1 460 AT 22:00 MST ON JUN 28	1 310 ON JUN 29	18.1 B ON NOV 20	6 130 000	1959
1960	1 100 AT 13:00 MST ON JUL 3	1 040 ON JUL 3	19.8 B ON NOV 30	5 850 000	1960
1961	852 AT 21:00 MST ON JUL 31	770 ON JUL 31	16.3 B ON NOV 28	5 590 000	1961
1962	807 AT 08:00 MST ON JUL 14	765 ON AUG 6	35.7 ON MAR 18	5 900 000	1962
1963	1 130 AT 23:59 MST ON JUL 17	1 050 ON JUL 18	37.7 B ON JAN 2	6 590 000	1963
1964	1 410 AT 01:00 MST ON JUN 21	1 350 ON JUN 21	30.3 B ON DEC 1	7 200 000	1964
1965	2 700 AT 20:00 MST ON JUN 29	2 590 ON JUN 29	50.1 B ON JAN 31	11 200 000	1965
1966	1 750 AT 12:00 MST ON JUL 6	1 630 ON JUL 6	42.5 B ON DEC 7	7 480 000	1966
1967	1 050 AT 09:00 MST ON JUN 19	1 000 ON JUN 19	34.5 B ON DEC 2	6 590 000	1967
1968	660 AT 08:00 MST ON JUN 13	597 ON AUG 9	36.8 B ON NOV 19	5 830 000	1968
1969	1 850 AT 21:49 MST ON JUL 7	1 740 ON JUL 7	50.1 B ON NOV 18	7 300 000	1969
1970	1 610 AT 14:24 MST ON JUN 18	1 520 ON JUN 18	36.0 B ON NOV 23	5 630 000	1970
1971	---	1 180A ON JUN 11	38.2 B ON DEC 18	6 520 000	1971
1972	3 200 AT 20:00 MST ON JUN 27	2 970 ON JUN 27	36.8 B ON DEC 3	7 430 000	1972
1973	719 AT 01:00 MST ON JUL 3	589 ON JUN 26	68.8 B ON NOV 12	6 030 000	1973
1974	1 120 AT 01:40 MST ON APR 24	1 060 ON APR 20	72.2 B ON JAN 13	7 280 000	1974
1975	708 AT 19:00 MST ON MAY 2	419 ON MAY 7	47.3 B ON NOV 25	4 430 000	1975
1976	487 AT 22:30 MST ON AUG 19	430 ON AUG 19	56.6 B ON DEC 7	5 280 000	1976
1977	980 AT 17:50 MST ON MAY 30	920 ON MAY 31	19.8 B ON NOV 22	5 890 000	1977
1978	1 040 AT 19:15 MST ON JUL 12	949 ON JUL 13	94.3 B ON JAN 10	7 290 000	1978
1979	704B AT 21:45 MST ON APR 26	385B ON APR 26	37.0 B ON NOV 30	4 840 000	1979
1980	2 070 AT 22:00 MST ON JUN 6	1 740 ON JUN 7	32.2 B ON DEC 5	7 560 000	1980
1981	1 220 AT 23:45 MST ON JUL 26	1 160 ON JUL 26	71.7 B ON MAR 6	7 340 000	1981
1982	2 030 AT 10:20 MST ON JUL 6	1 920 ON JUL 6	50.0 B ON NOV 22	6 860 000	1982
				6 820 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	117	67.0	28.4	---	1958
1959	33.4	36.9	48.5	119	171	579	573	302	201	157	76.5	62.4	198	1959
1960	48.6	38.9	61.6	152	209	344	583	330	164	103	59.7	35.1	178	1960
1961	42.8	32.4	44.7	82.6	220	515	376	434	192	103	75.9	39.6	181	1961
1962	51.6	58.3	53.4	205	224	423	512	386	205	130	163	71.0	208	1962
1963	65.3	84.8	84.7	404	358	480	529	355	230	122	60.0	97.2	240	1963
1964	86.1	82.3	77.5	112	358	686	526	239	227	233	109	74.9	235	1964
1965	60.7	71.6	135	362	365	1 020	1 260	500	315	262	127	93.1	383	1965
1966	99.4	99.8	86.2	192	242	359	624	514	268	186	96.3	72.1	238	1966
1967	77.1	90.7	76.0	105	318	732	468	291	197	97.6	58.0	55.5	214	1967
1968	76.4	86.1	101	151	163	341	401R	385R	219	142	74.7	67.6	184R	1968
1969	90.4	72.1	80.2	241	271	383	690	422	231	121	---	---	---	1969
1970	---	---	---	---	219	518	467	264	138	88.1	---	---	---	1970
1971	---	---	---	---	254	623	540	420	161	110	---	---	---	1971
MEAN	66.5	68.5	77.2	193	259	539	581R	372R	211	141	87.9	63.4	226	MEAN

LOCATION - LAT 53 39 30 N   DRAINAGE AREA, 47 700 km²
LONG 110 20 20 W   REGULATED SINCE 1960

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	---	---	---	1958
1959	1 480 AT 18:00 MST ON JUN 30	1 390 ON JUN 30	22.0B ON JAN 11	6 230 000	1959
1960	---	833 ON JUL 6	18.1B ON DEC 8	5 630 000	1960
1961	796 AT 12:00 MST ON AUG 2	745 ON AUG 2	14.7B ON DEC 5 *	5 700 000	1961
1962	---	699 ON JUL 1	36.2B ON MAR 28	6 560 000	1962
1963	1 080 AT 14:00 MST ON JUL 19	1 000 ON JUL 19	35.7B ON NOV 10	7 570 000	1963
1964	---	1 300A ON JUN 22	35.4B ON DEC 25	7 420 000	1964
1965	2 890 AT 18:00 MST ON JUN 30 *	2 740 ON JUN 30 *	47.3B ON FEB 6	12 100 000	1965
1966	1 670 AT 22:00 MST ON JUL 7	1 460 ON JUL 8	44.5B ON DEC 12	7 500 000	1966
1967	---	1 020A ON JUN 20	34.0B ON DEC 6	6 760 000	1967
1968	592 AT 10:59 MST ON JUN 16	561 ON JUN 16	29.4A ON MAY 2	5 830 000R	1968
1969	---	1 700 ON JUL 9	51.0B ON FEB 25	---	1969
1970	---	1 460 ON JUN 19	---	---	1970
1971	---	1 210 ON JUN 12	---	---	1971
				7 130 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	35.6	34.2	44.4	101	270	1 230	1 260	695	309	162	89.2	50.5	359	1915
1916	37.0	35.5	43.5	126	206	713	742	566	448	207	127	76.9	278	1916
1917	58.2	39.2	38.0	127	691	646	679	435	271	172	103	49.7	278	1917
1918	55.2	33.7	52.1	177	196	588	499	409	256	126	71.4	41.0	209	1918
1919	30.6	24.8	23.9	53.3	174	318	402	488	321	105	49.2	41.8	170	1919
1920	32.5	33.5	31.5	123	616	452	818	504	205	114	53.3	27.4	252	1920
1921	28.0	28.7	27.0	154	361	483	427	341	135	96.3	49.8	---	---	1921
1922	---	---	---	---	220	490	459	547	265	108	---	---	---	1922
MEAN	39.6	32.8	37.2	123	342	615	661	498	276	136	77.6	47.9	258	MEAN

LOCATION - LAT 53 12 55 N   DRAINAGE AREA, 21 800 km²
LONG 114 55 52 W   NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	5 410 ON JUN 27 *	29.7 ON MAR 7	11 300 000	1915
1916	---	1 600 ON JUN 21	27.5B ON MAR 7	8 780 000	1916
1917	---	1 430E ON MAY 17	28.3B ON DEC 12	8 750 000	1917
1918	---	1 090 ON JUN 15	24.1B ON FEB 20	6 610 000	1918
1919	---	634 ON JUN 23	20.2B ON MAR 4 *	5 380 000	1919
1920	---	1 370B ON MAY 9	22.4B ON DEC 21	7 980 000	1920
1921	---	875 ON MAY 22	---	---	1921
1922	---	824 ON AUG 17	---	---	1922
				8 130 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	59.6	---	---	---	---	1950
1951	---	---	---	---	---	72.4	144	100	36.0	15.3	---	---	---	1951
1952	---	---	---	---	---	86.6	121	120	---	---	---	---	---	1952
1953	---	---	---	---	---	74.0	118	98.6	51.9	17.5	---	---	---	1953
1954	---	---	---	---	---	---	---	104	54.2	14.1	---	---	---	1954
1955	---	---	---	---	---	98.2	160	108	60.7	9.58	---	---	---	1955
1956	---	---	---	---	53.7	104	152	118	48.2	16.7	---	---	---	1956
1957	---	---	---	---	---	96.2	92.5	67.7	51.1	---	---	---	---	1957
1958	---	---	---	---	62.0	130	145	143	52.2	17.8	---	---	---	1958
1959	---	---	---	---	28.1	92.1	129	71.6	39.2	14.2	---	---	---	1959
1960	---	---	---	---	16.9	71.7	157	102	42.1	18.9	---	---	---	1960
1961	---	---	---	---	51.4	152	131	127	35.8	21.4	---	---	---	1961
1962	---	---	---	---	24.1	77.7	110	100	40.3	15.8	---	---	---	1962
1963	---	---	---	---	---	95.2	120	113	84.7	25.4	---	---	---	1963
1964	---	---	---	---	17.7	94.9	146	89.6	42.6	19.9	---	---	---	1964
1965	---	---	---	---	25.9	93.5	150	143	24.3	14.7	---	---	---	1965
1966	---	---	---	---	31.6	76.7	130	111	68.4	24.0	8.42	6.28	---	1966
1967	4.08	3.73	4.63	6.47	25.2	136	182	130	89.0	20.8	9.22	8.44	48.5	1967
1968	6.35	4.04	2.68	3.07	32.2	87.0	137	95.7	57.3	14.8	8.30	5.68	38.8	1968
1969	2.86	2.66	1.85	6.00	46.8	131	105	99.8	44.1	13.6	7.89	5.75	39.2	1969
1970	2.60	2.70	2.92	3.15	18.4	118	152	126	---	---	---	---	---	1970
MEAN	3.97	3.28	3.02	4.67	33.4	99.9	134	108	51.7	17.1	8.46	6.54	42.2	MEAN

LOCATION - LAT 51 58 00 N DRAINAGE AREA, 1 290 km²
LONG 116 43 30 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	183 AT 03:00 MST ON JUL 14	179 ON JUN 15	---	---	1951
1952	200 AT 04:30 MST ON AUG 14	179 ON AUG 14	---	---	1952
1953	314 AT 03:00 MST ON JUL 15 *	283 ON JUL 15 *	---	---	1953
1954	187 AT 02:00 MST ON JUL 20	176 ON JUL 20	---	---	1954
1955	276 AT 23:00 MST ON JUL 18	271 ON JUL 18	---	---	1955
1956	223 AT 01:00 MST ON JUL 22	217 ON JUL 22	---	---	1956
1957	170 AT 08:00 MST ON JUN 8	163 ON JUN 8	---	---	1957
1958	206 AT 23:00 MST ON JUL 22	202 ON JUL 22	---	---	1958
1959	208 AT 03:00 MST ON JUL 25	201 ON JUL 24	---	---	1959
1960	212 AT 01:00 MST ON JUL 20	200 ON JUL 19	---	---	1960
1961	210 AT 02:00 MST ON JUN 20	204 ON JUN 7	---	---	1961
1962	189 AT 13:00 MST ON JUN 26	183 ON JUN 26	---	---	1962
1963	204 AT 23:30 MST ON AUG 13	197 ON JUL 8	---	---	1963
1964	229 AT 02:00 MST ON JUL 14	218 ON JUL 14	---	---	1964
1965	224 AT 03:00 MST ON JUL 9	220 ON JUL 8	---	---	1965
1966	186 AT 03:30 MST ON AUG 5	182 ON AUG 5	---	---	1966
1967	213 AT 08:00 MST ON JUL 5	204 ON JUL 5	3.68B ON FEB 17	1 530 000	1967
1968	238 AT 10:00 MST ON JUN 27	231 ON JUN 27	2.12B ON APR 5	1 230 000	1968
1969	185 AT 11:00 MST ON JUN 17	171 ON JUN 17	1.70B ON MAR 14 *	1 230 000	1969
1970	---	191 ON JUL 9	---	---	1970
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 330 000	MEAN

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	365	124	53.0	30.2	24.6	---	1915
1916	12.8	12.9	13.0	22.4	58.7	312	347	237	148	59.7	25.5	13.0	105	1916
1917	13.3	11.8	11.3	18.6	107	176	326	247	123	82.6	29.0	15.6	97.2	1917
1918	13.3	13.7	12.7	25.6	74.0	340	298	249	159	64.4	23.9	14.5	107	1918
1919	13.4	10.9	11.3	16.6	61.1	184	224	275	115	36.7	14.9	12.7	81.8	1919
1920	14.7	11.2	9.46	15.9	68.5	188	430	273	107	42.8	26.3	16.9	97.0	1920
1921	11.7	8.90	8.82	15.2	90.8	246	249	216	62.3	38.2	---	---	---	1921
1922	---	---	---	---	---	199	292	274	122	52.1	25.2	---	---	1922
1923	---	---	---	19.3	65.2	---	---	---	---	---	---	---	---	1923
1952	---	---	---	---	---	---	275	227	97.3	---	---	---	---	1952
1953	---	---	---	---	86.7	261	285	214	116	46.4	---	17.0	---	1953
1954	15.5	14.5	11.9	14.1	83.5	231	316	258	170	60.8	35.8	26.7	104	1954
1955	19.9	16.1	15.1	25.0	51.0	230	300	174	109	36.6	---	---	---	1955
1956	---	---	---	---	116	249	269	206	93.1	44.1	---	---	---	1956
1957	---	---	---	---	188	203	183	152	104	54.5	---	---	---	1957
1958	---	---	---	22.3	157	293	293	239	109	46.5	---	---	---	1958
1959	---	---	---	23.5	73.6	292	304	162	100	48.4	---	---	---	1959
1960	---	---	---	---	53.2	173	326	201	90.2	45.0	---	---	---	1960
1961	---	---	---	---	119	326	251	247	89.6	59.7	---	---	---	1961
1962	---	---	---	---	72.9	197	249	209	109	46.3	---	---	---	1962
1963	---	---	---	---	96.1	235	270	224	152	62.4	---	---	---	1963
1964	---	---	---	---	52.3	295	318	---	---	---	---	---	---	1964
1965	---	---	---	---	59.1	317	395	292	100	63.0	---	---	---	1965
1966	---	---	---	---	110	195	331	253	134	64.5	---	---	---	1966
1967	---	---	---	---	66.9	328	291	229	150	54.6	---	---	---	1967
1968	---	---	---	---	68.4	231	317	206	121	49.1	---	---	---	1968
1969	---	---	---	---	111	274	247	204	94.7	43.9	---	---	---	1969
1970	---	---	---	---	59.4	256	288	193	75.0	34.9	---	---	---	1970
1971	---	---	---	---	101	257	235	258	97.9	40.0	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	95.3	89.7	77.8	53.0	96.0	86.3	---	---	---	1973
1974	---	---	---	---	106	118	69.5	67.8	108	101	---	---	---	1974
1975	---	---	---	---	77.0	82.2	87.5	49.8	55.6	71.3	---	---	---	1975
1976	---	---	---	---	77.4	82.6	85.8	87.6	104	95.9	---	---	---	1976
1977	---	---	---	---	72.5	82.9	77.5	73.0	77.4	76.5	---	---	---	1977
1978	---	---	---	---	78.9	130	126	64.1	71.2	86.9	---	---	---	1978
MEAN	14.3	12.5	11.7	19.5	85.9	220	254	202	108	57.8	26.4	17.6	98.7	MEAN

LOCATION - LAT 52 27 10 N DRAINAGE AREA, 5 160 km²
LONG 115 45 20 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	1 240 ON JUN 27 *	---	---	---	1915
1916	---	694 ON JUN 20	9.34B ON JAN 23	3 330 000	1916
1917	---	464 ON JUL 17	10.5 B ON FEB 18	3 070 000	1917
1918	---	776 ON JUN 15 *	11.0 B ON FEB 20	3 390 000	1918
1919	---	442 ON JUN 23	9.20B ON MAR 1	2 580 000	1919
1920	---	521 ON JUL 3	8.35B ON MAR 14 *	3 070 000	1920
1921	---	408 ON JUN 26	---	---	1921
1922	---	439 ON JUL 7	---	---	1922
1923	---	---	---	---	1923
1952	770 AT 08:00 MST ON JUN 23	663 ON JUN 23	---	---	1952
1953	609 AT 12:00 MST ON JUL 15	580 ON JUL 15	---	---	1953
1954	476 AT 14:00 MST ON AUG 25	430B ON JUL 9	8.78B ON APR 2	3 270 000	1954
1955	518 AT 11:08 MST ON JUL 19	507 ON JUL 19	---	---	1955
1956	419 AT 21:00 MST ON JUN 5	394 ON JUN 5	---	---	1956
1957	345 AT 18:00 MST ON JUN 8	328 ON JUN 8	---	---	1957
1958	541 AT 21:00 MST ON JUN 28	481 ON JUN 29	---	---	1958
1959	493 ON JUN 27	476 ON JUN 27	---	---	1959
1960	464 AT 21:00 MST ON JUL 1	416 ON JUL 2	---	---	1960
1961	487 AT 03:00 MST ON JUN 8	459 ON JUN 7	---	---	1961
1962	419 AT 03:00 MST ON JUN 27	385 ON JUN 27	---	---	1962
1963	416 AT 19:00 MST ON JUL 8	408 ON JUL 9	---	---	1963
1964	507 AT 08:00 MST ON JUL 10	490 ON JUL 10	---	---	1964
1965	---	600 ON JUL 8	---	---	1965
1966	595 AT 05:00 MST ON JUL 4	549 ON JUL 4	---	---	1966
1967	453 AT 10:00 MST ON JUN 18	447 ON JUN 18	---	---	1967
1968	524 AT 07:44 MST ON JUL 12	507 ON JUL 12	---	---	1968
1969	396 AT 09:04 MST ON JUN 6	382 ON JUN 6	---	---	1969
1970	493 AT 15:45 MST ON JUN 16	428 ON JUN 16	---	---	1970
1971	442 AT 17:00 MST ON JUN 6	430 ON JUN 6	---	---	1971
1972	779A AT 13:00 MST ON JUN 25	580A ON JUN 26	---	---	1972
1973	188 AT 03:00 MST ON JUL 5	164 ON MAY 18	---	---	1973
1974	207 AT 09:40 MST ON JUN 26	194 ON JUN 22	---	---	1974
1975	152 AT 02:30 MST ON JUL 18	111 ON JUL 14	---	---	1975
1976	160 AT 04:00 MST ON SEP 8	142 ON JUL 22	---	---	1976
1977	169 AT 00:00 MST ON JUN 23	166 ON JUN 23	---	---	1977
1978	226 AT 19:40 MST ON JUL 11	185 ON JUL 6	---	---	1978
MEAN				3 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	149	181	151	50.8	17.9	7.63	5.47	---	1970
1971	4.94	4.59	3.84	6.70	57.6	124	137	204	68.7	23.3	9.78	5.53	54.6	1971
1972	3.52	4.07	5.01	5.36	52.6	198	150	175	59.8	24.1	12.2	7.57	58.3	1972
1973	5.82	5.05	5.19	6.60	45.8	117	139	134	61.3	20.8	10.8	7.13	46.9	1973
1974	5.25	5.49	4.71	9.94	27.6	159	168	150	75.7	26.9	10.4	8.19	54.6	1974
1975	6.03	4.64	4.93	5.79	21.1	90.3	202	108	50.8	22.1	12.6	8.14	45.0	1975
1976	5.92	5.14	4.54	7.40	---	80.1	179	177	95.0	29.4	9.40	7.22	---	1976
1977	5.90	5.62	5.32	9.51	31.4	116	110	146	45.9	14.5	8.77	6.52	42.3	1977
1978	4.98	4.85	4.65	7.65	28.6	138	210	138	97.9	27.4	12.6	8.02	57.2	1978
1979	5.39	4.92	5.89	6.06	30.0	119	178	167	87.1	32.9	9.24	6.32	54.7	1979
1980	5.29	4.57	4.80	17.4	86.8R	148 R	151	101	51.0	32.2	11.8	10.9	52.2R	1980
1981	6.96	4.97	5.86	7.52	73.4	87.7	214	205	87.5	20.4	12.5	7.77	61.7	1981
1982	5.03	4.98	4.38	5.95	23.3	165	182	114	98.2	26.8	11.0	7.76	58.3	1982
MEAN	5.42	4.91	4.93	7.99	43.5R	130 R	169	152	71.5	24.5	10.7	7.43	52.9	MEAN

R - REVISED SINCE JAN 1980

LOCATION - LAT 52 00 10 N, LONG 116 28 20 W
DRAINAGE AREA, 1 920 km²
NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	236 AT 05:40 MST ON JUL 9	221 ON JUL 9	---	---	1970
1971	286 AT 03:30 MST ON AUG 9	268 ON AUG 9	3.62B ON MAR 4	1 720 000	1971
1972	377 AT 16:20 MST ON JUN 11 *	365 ON JUN 11 *	3.28B ON JAN 25 *	1 840 000	1972
1973	303 AT 22:20 MST ON JUN 24	280 ON JUN 24	4.87B ON FEB 9	1 480 000	1973
1974	337 AT 11:35 MST ON JUN 24	331 ON JUN 24	4.47B ON MAR 26	1 720 000	1974
1975	303 AT 06:30 MST ON JUL 14	292 ON JUL 14	4.50B ON FEB 17	1 420 000	1975
1976	250 AT 07:40 MST ON AUG 4	241 ON AUG 5	---	---	1976
1977	213 AT 04:30 MST ON JUN 9	193 ON JUL 29	5.10B ON FEB 28	1 340 000	1977
1978	274 AT 02:00 MST ON JUL 28	253 ON JUL 27	4.45B ON JAN 31	1 800 000	1978
1979	278 AT 05:00 MST ON JUL 22	262 ON JUL 21	4.40B ON NOV 30	1 720 000	1979
1980	286R AT 10:24 MST ON JUN 17	277R ON JUN 17	4.27B ON JAN 29	1 650 000R	1980
1981	293 AT 13:25 MST ON JUL 29	286 ON JUL 29	4.00B ON FEB 13	1 950 000	1981
1982	---	304E ON JUL 22	4.22B ON MAR 8	1 710 000	1982
MEAN				1 670 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	8.06	6.55	7.40	11.8	26.2	199	223	163	101	38.0	15.2	9.63	67.6	1916
1917	9.68	5.79	5.30	5.47	18.7	108	238	182	100	---	---	---	---	1917
MEAN	8.87	6.17	6.35	8.64	22.5	154	231	173	101	38.0	15.2	9.63	67.6	MEAN

LOCATION - LAT 52 05 36 N, LONG 116 25 10 W
DRAINAGE AREA, 2 560 km²
NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	501 ON JUN 19 *	5.89B ON FEB 13 *	2 140 000	1916
1917	---	317 ON JUL 17	---	---	1917
MEAN				2 140 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.161	0.217	---	55.6	---	1972
1973	54.4	47.7	43.5	37.1	71.4	68.4	63.2	44.7	87.0	77.9	40.2	56.9	57.8	1973
1974	81.8	87.7	60.9	71.0	77.0	87.0	49.9	58.5	97.8	91.5	73.4	77.9	76.0	1974
1975	76.5	89.1	88.8	77.9	73.5	72.5	74.8	38.8	48.4	65.5	67.4	62.6	69.5	1975
1976	62.4	83.9	73.4	66.3	66.5	71.7	71.9	71.8	97.7	94.1	105	86.2	79.2	1976
1977	80.0	67.4	70.3	59.2	47.9	62.5	61.4	57.9	61.4	62.4	81.0	68.5	65.0	1977
1978	83.9	81.4	77.3	63.2	61.8	95.7	98.2	48.7	53.0	80.1	93.7	85.6	76.9	1978
1979	71.1	104	100	83.6	47.7	88.3	77.7	72.7	63.1	66.5	67.8	53.2	74.4	1979
1980	80.2	83.6	86.9	73.0	75.9	132	98.6	67.5	72.0	56.2	59.1	53.4	78.1	1980
1981	72.2	29.8	41.6	72.1	146	87.8	38.0	130	111	87.3	94.3	98.3	84.4	1981
1982	59.5	58.3	80.1	81.9	65.6	94.9	111	41.4	71.3	65.7	65.9	71.2	72.3	1982
MEAN	72.2	73.3	72.3	68.5	73.3	86.1	74.5	63.2	69.4	67.9	74.8	69.9	73.4	MEAN

LOCATION - LAT 52 18 36 N, LONG 116 19 21 W
DRAINAGE AREA, 3 890 km²
REGULATED SINCE 1972

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)
1972	---	---	---	---
1973	168 AT 15:00 MST ON JUL 3	118 ON JUL 5	0.224 ON JUN 10 *	1 820 000
1974	168 AT 18:45 MST ON JAN 26	161 ON JUL 4	26.3 ON JUL 14	2 400 000
1975	---	132 ON JAN 7	27.7 ON AUG 5	2 190 000
1976	---	131 ON SEP 13	35.7 ON JUL 10	2 500 000
1977	174 AT 08:40 MST ON JAN 7 *	149 ON JUN 23	16.1 ON MAY 25	2 050 000
1978	169 AT 23:00 MST ON JAN 30	163 ON JUL 6	23.2 ON JUN 14	2 420 000
1979	---	130 ON APR 21	7.65 ON MAY 31	2 350 000
1980	---	171 ON JUN 28 *	11.0 ON NOV 4	2 470 000
1981	159 AT 14:30 MDT ON JUL 23	155 ON MAY 2	0.329 ON MAR 10	2 660 000
1982	167 AT 12:45 MST ON JUL 17	165 ON JUN 26	14.3 ON AUG 17	2 280 000
MEAN				2 310 000

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
1953	---	---	---	---	---	---	---	---	---	---	---	15.3	---
1954	12.1	11.6	11.1	11.7	63.0	189	300	217	128	44.7	27.1	21.8	157
1955	17.7	13.7	12.5	15.1	34.5	199	269	160	99.7	30.9	---	---	132
1956	---	---	---	17.8	107	233	260	197	88.1	37.5	---	---	154
1959	---	---	---	---	57.5	220	263	143	88.3	38.1	---	---	135
1960	---	---	---	---	34.8	146	285	172	80.6	38.0	---	---	126
1961	---	---	---	---	107	307	230	225	82.9	53.4	---	---	167
1962	---	---	---	---	57.7	187	230	192	92.8	39.6	---	---	133
1963	---	---	---	17.3	68.5	223	253	216	152	59.5	---	---	162
1964	---	---	---	---	38.2	251	293	149	94.4	58.8	---	---	147
1965	---	---	---	---	54.2	241	336	270	74.8	47.1	---	---	171
1966	---	---	---	---	101	180	285	221	128	56.3	---	---	162
1967	---	---	---	---	54.6	301	276	227	159	55.9	---	---	178
1968	---	---	---	13.0	62.2	212	283	175	106	38.9	---	---	146
MEAN	14.9	12.7	11.8	15.0	64.6	222	274	197	106	46.1	27.1	18.6	152

LOCATION - LAT 52 18 00 N DRAINAGE AREA, 3 890 km^2
LONG 116 19 00 W NATURAL FLOW

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)
1953	---	0 ON 5(: 0	9 900 000 ON 5(: 0	---
1954	425 AT 08:30 MST ON JUL 8	416 ON JUL 8	11.3B ON MAY 1 *	2 490 000
1955	481 AT 15:00 MST ON JUL 18	464 ON JUL 18	12.5 ON MAY 1	2 100 000
1956	402 AT 14:00 MST ON JUN 5	388 ON JUN 5	16.8 ON MAY 3	2 440 000
1959	408 AT 10:00 MST ON JUL 25	394 ON JUL 25	15.3 ON MAY 1	2 140 000
1960	379 AT 10:00 MST ON JUL 8	365 ON JUL 8	16.3 ON MAY 1	2 010 000
1961	467 AT 20:00 MST ON JUN 7	456 ON JUN 7	13.2 ON MAY 1	2 660 000
1962	425 AT 20:00 MST ON JUN 26	396 ON JUN 26	16.2 ON MAY 6	2 120 000
1963	493 AT 01:00 MST ON JUN 20	416 ON JUL 8	22.9 ON MAY 9	2 570 000
1964	479 AT 03:00 MST ON JUL 10	447 ON JUL 9	16.7 ON MAY 1	2 340 000
1965	566 AT 02:00 MST ON JUL 9 *	538 ON JUL 8 *	20.8 ON MAY 7	2 710 000
1966	408 AT 02:00 MST ON JUL 4	379 ON JUL 4	14.4 ON MAY 1	2 580 000
1967	428 AT 04:00 MST ON JUN 28	408 ON JUN 17	13.8 ON MAY 1	2 830 000
1968	481 AT 18:30 MST ON JUN 27	464 ON JUN 27	19.6 ON MAY 3	2 320 000
MEAN				2 410 000

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
1969	---	---	---	---	---	468	705R	451	216	108	---	---	---
1970	---	---	---	---	---	544	461	272	124	67.2	---	---	---
1971	---	---	---	---	204	613	474	386	143	74.1	---	---	---
1972	---	---	---	---	206	874	593	250	141	150	---	---	---
1973	---	---	---	---	361	300	243	185	140	153	---	---	---
1974	---	---	---	---	358	397	273	188	205	185	---	---	---
1975	---	---	---	---	201	188	179	128	109	91.4	---	---	---
1976	---	---	---	---	182	203	169	239	218	151	---	---	---
1977	---	---	---	---	294	336	225	259	228	166	---	---	---
MEAN	---	---	---	---	258	436	369R	262	169	127	---	---	---

R - REVISED SINCE JAN 1980

LOCATION - LAT 53 03 10 N DRAINAGE AREA, 20 500 km^2
LONG 115 12 30 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	1 930 AT 15:00 MST ON JUL 6	1 720 ON JUL 6	---	---	1969
1970	1 720 AT 14:58 MST ON JUN 17	1 570 ON JUN 17	---	---	1970
1971	1 250 AT 20:00 MST ON JUN 9	1 150 ON JUN 10	---	---	1971
1972	3 570 AT 16:00 MST ON JUN 26 *	3 200 ON JUN 26 *	---	---	1972
1973	612 AT 14:30 MST ON MAY 26	515 ON MAY 28	---	---	1973
1974	1 040 AT 09:40 MST ON JUN 18	765 ON JUN 18	---	---	1974
1975	368 AT 20:00 MST ON JUN 9	---	---	---	1975
1976	484 AT 19:20 MST ON AUG 18	379 ON AUG 18	---	---	1976
1977	787 AT 13:50 MST ON MAY 30	714 ON MAY 30	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	348	381	384	210	87.7	53.6	46.1	---	1913
1914	24.0	20.6	24.4	31.6	116	306	366	253	135	90.3	49.6	24.1	121	1914
1915	23.6	21.3	19.3	41.2	168	649	639	475	197	104	56.5	38.7	204	1915
1916	29.8	22.9	31.3	59.1	125	468	459	356	251	136	86.7	44.7	173	1916
1917	36.1	28.9	27.9	63.7	280	351	399	278	167	112	55.2	27.5	153	1917
1918	25.0	23.9	22.0	67.6	108	386	324	271	171	88.5	40.8	23.0	130	1918
1919	27.2	20.0	21.4	39.2	118	202	275	312	168	68.3	44.1	28.2	111	1919
1920	29.5	23.2	19.8	33.1	226	252	529	325	143	70.0	40.7	32.0	145	1920
1921	26.1	20.8	24.9	44.3	182	305	302	249	79.1	56.9	37.3	21.5	113	1921
1922	20.6	18.1	18.5	22.6	134	333	331	367	180	87.8	48.3	23.9	133	1922
1923	21.1	17.1	18.9	43.6	111	662	467	382	216	93.5	57.7	50.8	179	1923
1924	24.2	22.0	24.0	54.5	215	290	380	342	181	73.4	45.8	23.9	140	1924
1925	19.0	18.9	19.2	94.4	166	346	360	457	287	187	64.4	42.7	169	1925
1926	30.7	34.3	39.1	95.7	110	221	372	278	440	153	82.3	36.2	158	1926
1927	27.6	25.3	27.0	73.5	109	405	473	359	196	102	45.7	39.5	158	1927
1928	34.5	29.1	42.6	67.5	163	607	520	275	152	63.1	30.4	20.6	167	1928
1929	20.1	19.7	25.0	35.1	137	333	221	252	136	59.6	28.4	20.5	108	1929
1930	19.5	22.9	24.7	65.6	128	363	364	298	163	76.2	42.5	36.9	134	1930
1931	23.8	21.8	21.0	38.7	136	337	410	---	---	---	---	---	---	1931
1944	---	---	21.1	51.3	170	470	380	391	223	119	---	---	---	1944
1945	---	---	22.4	42.8	172	290	319	281	175	126	---	---	---	1945
1946	---	---	26.9	58.5	166	399	329	234	155	63.6	---	---	---	1946
1947	---	---	25.2	80.7	176	379	403	236	163	104	---	---	---	1947
1948	---	---	25.6	54.0	414	506	338	333	140	74.5	---	---	---	1948
1949	---	---	23.3	46.3	116	172	236	207	110	52.9	---	---	---	1949
1950	---	---	19.5	58.9	80.0	405	403	233	140	55.4	---	---	---	1950
1951	---	---	17.4	60.0	213	303	452	281	181	101	---	---	---	1951
1952	---	---	37.4	128	127	480	417	330	149	81.4	---	---	---	1952
1953	---	---	20.5	47.2	168	467	421	295	164	73.1	52.2	27.0	---	1953
1954	20.0	29.0	25.9	50.6	210	446	430	411	341	117	70.8	58.2	185	1954
1955	29.7	32.4	27.7	82.6	138	352	386	213	138	59.1	33.2	24.1	127	1955
1956	22.6	19.3	21.8	47.1	147	293	327	253	127	61.1	37.8	27.8	116	1956
1957	20.6	17.4	19.6	52.6	249	272	230	208	153	87.2	47.0	33.0	116	1957
1958	35.3	30.3	29.9	88.1	255	404	416	291	155	72.1	34.8	32.9	154	1958
1959	30.5	26.1	25.5	43.5	113	402	393	213	134	75.2	55.3	36.9	130	1959
1960	24.6	26.3	33.2	45.0	109	257	408	251	116	65.9	35.5	25.2	117	1960
1961	24.7	21.9	28.1	30.2	172	383	292	302	122	82.5	37.4	34.0	128	1961
1962	25.1	24.1	19.4	43.9	122	261	330	283	151	70.6	45.8	28.0	118	1962
1963	22.5	22.4	31.7	88.1	130	348	421	308	197	89.5	37.7	29.5	145	1963
1964	29.1	25.3	21.5	36.9	171	470	415	209	160	112	57.6	24.6	145	1964
1965	24.8	25.7	20.3	66.4	132	590	601	396	236	139	76.1	52.3	197	1965
1966	42.9	33.3	32.1	42.1	166	271	447	340	192	106	56.5	42.2	149	1966
1967	35.1	25.9	27.1	57.0	129	463	363	279	185	75.8	36.1	26.5	142	1967
1968	26.7	27.4	34.0	34.3	110	296	393	265	162	81.3	45.5	34.0	126	1968
1969	32.5	25.4	26.7	69.5	201	372	399	278	137	76.9	51.0	35.7	143	1969
1970	26.6	27.6	24.5	37.4	118	414	323	223	100	55.2	25.2	23.1	117	1970
1971	17.0	20.7	19.5	62.4	159	360	265	279	119	57.6	38.6	16.3	119	1971
1972	21.1	19.3	18.4	29.2	133	558	356	132	66.3	48.5	31.4	54.5	122	1972
1973	---	---	---	---	192	188	152	97.2	133	108	---	---	---	1973
1974	---	---	---	---	208	246	152	110	138	126	---	---	---	1974
1975	---	---	---	---	118	126	132	77.3	71.2	79.8	---	---	---	1975
1976	---	---	---	---	107	119	130	144	133	116	---	---	---	1976
1977	---	---	---	---	145	152	118	121	114	96.8	---	---	---	1977
1978	---	---	---	---	137	251	214	130	138	126	---	---	---	1978
1979	---	---	---	---	118	162	133	118	93.7	88.0	---	---	---	1979
1980	---	---	---	---	141	328	191	131	124	90.1	---	---	---	1980
1981	---	---	---	---	260	170	278	288	174	126	---	---	---	1981
1982	---	---	---	---	121	209	266	91.4	119	110	---	---	---	1982
MEAN	26.3	24.1	25.0	55.4	159	348	349	266	163	89.8	47.8	32.8	141	MEAN

LOCATION - LAT 52 22 51 N DRAINAGE AREA, 11 000 km^2
LONG 114 56 21 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	646 ON AUG 13	---	---	1913
1914	---	510 ON JUN 7	18.4 B ON FEB 11	3 810 000	1914
1915	4 110E ON JUN 27 *	3 680E ON JUN 27 *	17.8 B ON MAR 14	6 420 000	1915
1916	---	1 060 ON JUN 20	20.4 B ON JAN 28	5 470 000	1916
1917	---	561 ON JUN 3	17.0 B ON DEC 13	4 830 000	1917
1918	---	753 ON JUN 15	19.5 B ON DEC 21	4 090 000	1918
1919	---	447 ON JUN 23	17.8 B ON MAR 8	3 500 000	1919
1920	---	614 ON JUL 3	15.6 B ON MAR 16	4 570 000	1920
1921	---	479 ON JUN 26	11.4 B ON DEC 21	3 560 000	1921
1922	---	564 ON AUG 17	14.7 B ON MAR 29	4 190 000	1922
1923	1 270 ON JUN 14	1 260 ON JUN 14	12.7 B ON FEB 14	5 650 000	1923
1924	---	674 ON JUL 4	12.5 B ON DEC 17	4 440 000	1924
1925	---	1 030 ON AUG 17	17.0 B ON FEB 24	5 340 000	1925
1926	---	878 ON SEP 2	27.2 B ON JAN 19	4 990 000	1926
1927	---	784 ON JUN 27	25.3 B ON JAN 28	4 980 000	1927
1928	---	900 ON JUN 23	20.0 B ON DEC 5	5 290 000	1928
1929	---	850 ON JUN 3	15.3 B ON APR 10	3 400 000	1929
1930	---	575 ON JUL 16	19.3 B ON JAN 21	4 240 000	1930
1931	---	682 ON JUN 19	---	---	1931
1944	971 ON JUN 15	937 ON JUN 15	---	---	1944
1945	---	447 ON MAY 31	---	---	1945
1946	---	719 ON MAY 29	---	---	1946
1947	---	660 ON JUN 11	---	---	1947
1948	---	1 170 ON MAY 24	---	---	1948
1949	---	408 ON JUL 17	---	---	1949
1950	---	1 030 ON JUN 15	---	---	1950
1951	---	600 ON JUN 16	---	---	1951
1952	1 990 AT 22:00 MST ON JUN 23	1 600 ON JUN 24	---	---	1952
1953	742 AT 23:00 MST ON JUL 15	711 ON JUN 14	---	---	1953
1954	1 260 AT 20:00 MST ON AUG 25	1 060 ON AUG 26	15.5 B ON APR 2	5 830 000	1954
1955	586 AT 20:00 MST ON JUL 19	583 ON JUL 19	20.6 B ON MAR 24	4 000 000	1955
1956	464 AT 05:00 MST ON JUN 6	439 ON JUN 6	18.3 B ON FEB 23	3 660 000	1956
1957	422 AT 12:00 MST ON JUN 9	419 ON JUN 9	13.2 B ON APR 11	3 670 000	1957
1958	---	714 ON JUN 29	21.9 B ON NOV 27	4 870 000	1958
1959	779 AT 12:00 MST ON JUN 27	719 ON JUN 27	18.4 B ON MAR 16	4 080 000	1959
1960	609 AT 01:00 MST ON JUL 2	558 ON JUL 2	12.2 B ON DEC 17	3 690 000	1960
1961	566 AT 08:30 MST ON JUN 8	541 ON JUN 8	13.5 B ON JAN 30	4 040 000	1961
1962	504 AT 03:00 MST ON AUG 6	473 ON AUG 6	15.9 B ON DEC 25	3 710 000	1962
1963	680 AT 04:00 MST ON JUL 16	648 ON JUL 16	15.0 B ON JAN 1	4 560 000	1963
1964	790 AT 06:00 MST ON JUN 19	776 ON JUN 19	19.2 B ON DEC 18	4 570 000	1964
1965	1 460 AT 19:30 MST ON JUN 18	1 050 ON JUN 19	15.0 B ON MAR 29	6 230 000	1965
1966	835 AT 08:00 MST ON JUL 4	733 ON JUL 4	25.5 B ON DEC 1	4 690 000	1966
1967	626 AT 12:00 MST ON JUN 18	617 ON JUN 18	19.8 B ON NOV 27	4 490 000	1967
1968	558 AT 05:50 MST ON JUN 28	547 ON JUL 11	24.3 B ON FEB 19	3 990 000	1968
1969	963 AT 10:08 MST ON JUL 6	906 ON JUL 6	23.9 B ON FEB 19	4 500 000	1969
1970	1 290 AT 11:50 MST ON JUN 17	1 120 ON JUN 17	7.67B ON NOV 23 *	3 680 000	1970
1971	---	736A ON JUN 6	11.9 B ON DEC 11	3 750 000	1971
1972	1 880 AT 22:00 MST ON JUN 25	1 470 ON JUN 26	17.2 B ON MAR 5	3 870 000	1972
1973	348 AT 13:00 MST ON MAY 28	311 ON MAY 18	---	---	1973
1974	351 AT 18:30 MST ON JUN 26	340 ON JUN 26	---	---	1974
1975	191 AT 11:00 MST ON JUL 18	170 ON JUL 14	---	---	1975
1976	212 AT 06:30 MST ON AUG 11	199 ON AUG 10	---	---	1976
1977	244 AT 08:30 MST ON MAY 30	229 ON MAY 30	---	---	1977
1978	323 AT 04:30 MST ON JUL 12	292 ON JUN 17	---	---	1978
1979	214 AT 11:00 MST ON MAY 27	202 ON JUN 5	---	---	1979
1980	679 AT 09:00 MST ON JUN 5	575 ON JUN 5	---	---	1980
1981	633 AT 07:48 MST ON JUL 25	606 ON JUL 25	---	---	1981
1982	554 AT 08:36 MST ON JUL 6	548 ON JUL 6	---	---	1982
				4 460 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOSE CREEK AT CALGARY - STATION NO. 05BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.584	0.859	0.248	0.408	0.279	0.210	---	---	---	1911
1912	---	---	---	0.844	1.06	0.494	1.27	0.782	1.56	0.910	---	---	---	1912
1913	---	---	---	---	1.59	1.25	1.09	0.519	0.425	0.307	---	---	---	1913
1914	---	---	---	---	---	0.436	0.219	0.126	0.157	0.293	---	---	---	1914
1915	---	---	---	0.335	0.949	3.95	8.84	9.75	3.88	3.06	---	---	---	1915
1916	---	---	---	2.63	3.55	5.36	6.02	5.18	5.96	3.60	---	---	---	1916
1917	---	---	---	---	5.14	4.56	1.28	0.945	1.01	0.898	---	---	---	1917
1918	---	---	---	1.53	0.550	0.449	0.227	0.164	0.173	0.189	---	---	---	1918
1919	---	---	---	1.03	0.745	0.141	0.082	0.524	0.133	0.139	---	---	---	1919
1972	---	---	---	---	---	---	---	0.075	0.075	0.102	---	---	---	1972
1973	---	---	2.46	0.880	0.277	0.200	0.088	0.034	0.069	0.066	---	---	0.511	1973
1974	---	---	0.223	3.82	2.25	0.310	0.068	0.050	0.085	0.100	---	---	0.857	1974
1975	---	---	0.028	0.728	0.309	0.116	0.021	0.023	0.039	0.042	---	---	0.162	1975
1976	---	---	0.329	0.206	0.058	0.043	0.019	0.061	0.015	0.023	---	---	0.094	1976
1977	---	---	0.101	0.084	0.077	0.032	0.021	0.018	0.072	0.040	---	---	0.056	1977
1978	---	---	2.35	0.560	0.173	0.186	0.038	0.177	0.123	0.043	---	---	0.458	1978
1979	---	---	0.482	0.264	0.189	0.072	0.016	0.021	0.006	0.013	---	---	0.133	1979
1980	---	---	0.454	1.15	0.311	0.412	0.164	0.088	0.063	0.047	---	---	0.334	1980
1981	---	---	0.168	0.076	0.461	0.219	0.284	0.100	0.053	0.054	---	---	0.178	1981
1982	---	---	0.312	1.10	0.275	0.254	0.304	0.039	0.055	0.034	---	---	0.294	1982
MEAN	---	---	0.691	1.02	1.03	1.02	1.07	0.954	0.712	0.509	---	---	0.308	MEAN

LOCATION - LAT 51 07 20 N DRAINAGE AREA, 893 km^2
LONG 114 02 45 W NATURAL FLOW

NOSE CREEK AT CALGARY - STATION NO. 05BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	32.8 ON MAY 31 *	---	---	1916
1917	---	26.8 ON MAY 18	---	---	1917
1918	---	---	---	---	1918
1919	---		---	---	1919
1972	---	---	---	---	1972
1973	---	8.10 B ON MAR 22	0 ON AUG 21 *	10 800	1973
1974	---	9.32 B ON APR 10	0 B ON MAR 9	18 100	1974
1975	5.21 B AT 11:30 MST ON APR 13	3.31 B ON APR 13	0 ON JUL 15	3 430	1975
1976	3.00 B AT 07:45 MST ON MAR 19	1.85 B ON MAR 19	0 ON JUL 1	1 990	1976
1977	0.487B AT 16:00 MST ON APR 5	0.193B ON MAR 14	0 ON JUL 26	1 180	1977
1978	12.0 AT 01:00 MST ON MAR 27 *	10.2 ON MAR 27	0 B ON MAR 1	9 700	1978
1979	3.23 B AT 23:00 MST ON MAR 7	2.28 B ON MAR 8	0 B ON MAR 1	2 810	1979
1980	5.29 AT 22:00 MST ON MAY 25	4.06 B ON APR 5	0 B ON MAR 1	7 080	1980
1981	5.23 AT 20:30 MST ON JUL 14	2.05 ON MAY 7	0.010 ON SEP 18	3 770	1981
1982	6.47 B AT 06:08 MST ON APR 12	5.57 B ON APR 12	0 B ON MAR 1	6 230	1982
				6 510	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.442	0.200	0.227	0.203	---	---	---	1980
1981	---	---	---	0.176	1.34	0.646	1.16	0.260	0.253	0.234	---	---	0.651	1981
1982	---	---	---	---	0.700	0.611	0.776	0.311	0.466	0.191	---	---	0.509	1982
MEAN	---	---	---	0.176	1.02	0.629	0.793	0.257	0.315	0.209	---	---	0.580	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 986 km²
LONG 114 01 00 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	18.7 AT 20:30 MST ON JUL 14	7.98 ON MAY 7 *	0.070 ON AUG 26 *	10 400	1981
1982	20.6 AT 01:40 MST ON JUN 30 *	5.10 ON JUN 30	0.120 ON SEP 25	8 090	1982
				9 250	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	51.9	30.8	11.1	0.788	0.052	0.306	0.255	0.151	---	1961
1962	0.090	0.055	0.133	18.1	64.6	34.1	38.8	35.6	14.4	5.44	4.93	0.578	18.2	1962
1963	0.311	0.754	0.937	71.6	121	10.8	53.3	22.4	5.94	2.41	0.543	0.612	24.4	1963
1964	0.258	0.281	0.268	11.1	149	17.6	25.2	74.1	8.29	4.86	2.44	0.689	24.8	1964
1965	0.189	0.179	0.236	59.5	43.2	18.0	3.77	0.634	1.62	2.88	1.90	0.310	11.0	1965
1966	0.016	0.013	0.103	7.98	34.3	3.45	11.6	[illegible].03	3.00	1.30	0.416	0.107	5.51	1966
1967	0.071	0.080	0.043	0.536	103	14.9	2.52	2.61	0.435	1.54	0.517	0.182	10.7	1967
1968	0.104	0.148	0.586	8.92	47.1	21.2	20.6	20.3	5.50	5.00	3.05	0.573	11.2	1968
1969	0.144	0.039	0.057	54.7	73.0	---	---	1.08	15.9	12.4	3.03	0.684	---	1969
1970	0.077	0.006	0.026	13.4	31.9	15.3	29.0	4.62	1.21	2.06	0.374	0.002	8.22	1970
1971	0.029	0.006	0.066	27.6	26.7	51.9	34.7	10.8	3.81	3.50	1.37	0.713	13.5	1971
1972	0.160	0.181	0.194	9.78	140	14.0	73.4	24.5	3.74	5.08	3.47	1.01	23.3	1972
1973	0.640	0.321	0.452	37.8	92.0	73.5	20.2	19.0	13.2	7.42	2.80	1.01	22.4	1973
1974	0.580	0.333	0.305	62.9	143	18.8	16.6	18.6	14.0	11.9	2.81	0.735	24.4	1974
1975	0.248	0.187	0.186	9.92	38.8	21.4	14.4	1.70	5.61	1.37	0.643	0.208	7.93	1975
1976	0.201	0.178	0.108	18.4	23.6	36.4	31.9	47.7	11.1	4.83	1.60	0.407	14.8	1976
1977	0.458	0.532	0.394	20.0	40.0	111	19.4	9.34	9.01	10.3	1.96	0.467	18.5	1977
1978	0.279	0.166	0.112	11.1	101	15.4	2.91	1.96	12.8	6.51	1.33	0.536	13.0	1978
1979	0.226	0.180	0.162	3.22	86.6	79.9	39.0	9.86	6.22	2.80	0.633	0.138	19.2	1979
1980	0.007	0.001	0.038	4.04	4.74	7.72	10.8	7.58	13.0	8.66	3.66	0.242	5.05	1980
1981	0.028	0.122	0.401	16.9	63.3	15.9	5.73	1.30	0.264	0.629	0.586	0.316	8.87	1981
1982	0.082	0.029	0.030	4.83	65.9	5.17	0.915	11.4	2.77	2.16	0.516	0.387	7.97	1982
MEAN	0.200	0.181	0.230	22.5	70.2	29.4	22.2	15.0	6.90	4.70	1.77	0.457	14.6	MEAN

LOCATION - LAT 56 55 10 N DRAINAGE AREA, 4 680 km²
LONG 117 37 05 W NATURAL FLOW

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	114 ON MAY 20	0 ON SEP 23 *	---	1961
1962	---	123 ON MAY 22	0 B ON FEB 27	575 000	1962
1963	---	433 ON JUL 26	0.023B ON JAN 22	770 000	1963
1964	---	504 ON MAY 23 *	0.136B ON JAN 23	784 000	1964
1965	---	253 ON APR 29	0.057B ON DEC 31	348 000	1965
1966	---	106 ON MAY 12	0.006B ON JAN 30	174 000	1966
1967	219 AT 09:00 MST ON MAY 8	217 ON MAY 18	0.006B ON JAN 5	337 000	1967
1968	97.4 AT 08:00 MST ON JUL 31	95.1 ON JUL 31	0.045B ON JAN 12	353 000	1968
1969	334 AT 14:40 MST ON MAY 1	317 ON MAY 1	0.023B ON FEB 20	---	1969
1970	197 AT 02:00 MST ON JUL 2	174 ON JUL 2	0 B ON DEC 1	259 000	1970
1971	---	217 ON JUN 28	0.003B ON JAN 30	424 000	1971
1972	487 AT 13:30 MST ON JUL 12 *	459 ON JUL 12	0.076B ON JAN 25	736 000	1972
1973	233 AT 11:00 MST ON JUN 19	217 ON JUN 19	0.227B ON FEB 25	707 000	1973
1974	317 AT 10:00 MST ON APR 27	306 ON MAY 9	0.227B ON MAR 14	769 000	1974
1975	90.9 AT 05:00 MST ON JUN 30	85.0 ON JUN 30	0.182B ON DEC 15	250 000	1975
1976	186 AT 15:00 MST ON AUG 19	179 ON AUG 19	0.059B ON MAR 3	467 000	1976
1977	464 AT 03:00 MST ON JUN 5	422 ON JUN 4	0.283B ON MAR 21	585 000	1977
1978	419 AT 12:30 MST ON MAY 24	405 ON MAY 24	0.099B ON MAR 6	411 000	1978
1979	197 AT 22:00 MST ON JUN 1	190 ON JUN 1	0.030B ON DEC 20	606 000	1979
1980	34.0 AT 16:00 MST ON SEP 28	33.4 ON SEP 28	0 B ON FEB 13	160 000	1980
1981	175 AT 12:00 MST ON MAY 3	172 ON MAY 3	0.005B ON FEB 11	280 000	1981
1982	116 AT 18:00 MST ON MAY 14	113 ON MAY 15	0.025B ON JAN 23	252 000	1982
				462 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.071	0.072	0.083	0.191	---	---	---	1972
1973	---	---	---	---	0.542	0.222	0.075	0.084	0.045	---	---	---	---	1973
1974	---	---	---	0.109	0.545	0.063	0.080	0.090	---	---	---	---	---	1974
MEAN	---	---	---	0.109	0.544	0.143	0.075	0.082	0.064	0.191	---	---	---	MEAN

LOCATION - LAT 53 32 00 N   DRAINAGE AREA, 18.1 km^2
LONG 117 41 00 W   NATURAL FLOW

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	3.20 AT 20:30 MST ON JUN 24 *	1.66 ON MAY 14 *	---	---	1973
1974	1.56 AT 21:00 MST ON MAY 6	1.18 ON MAY 7	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	12.7	7.13	3.66	3.12	2.64	---	---	---	1944
1945	---	---	---	---	29.9	79.6	---	---	---	---	---	---	---	1945
1946	---	---	---	---	30.4	45.8	17.0	6.66	8.46	5.83	---	---	---	1946
1947	---	---	---	---	50.6	35.3	12.9	9.39	8.03	9.47	---	---	---	1947
1948	---	---	---	---	73.9	74.8	16.6	10.3	6.45	4.80	---	---	---	1948
1949	---	---	---	---	25.6	22.7	8.82	4.42	4.42	---	---	---	---	1949
MEAN	---	---	---	---	42.1	45.2	12.5	6.89	6.10	5.69	---	---	---	MEAN

LOCATION - LAT 49 52 05 N   DRAINAGE AREA, 1 200 km^2
LONG 114 21 35 W   NATURAL FLOW

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	21.9 ON MAY 20	---	---	1944
1945	---	---	---	---	1945
1946	---	96.6 ON MAY 29	---	---	1946
1947	---	102 ON MAY 10	---	---	1947
1948	---	268 ON MAY 23 *	---	---	1948
1949	---	51.5 ON MAY 22	---	---	1949
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	41.8	129	141	52.7	22.2	14.3	11.7	8.94	6.11	---	1966
1967	7.95	8.34	12.4	16.6	210	305	75.0	20.7	10.9	9.74	10.9	6.03	57.9	1967
1968	5.81	9.52	11.6	15.9	102	133	50.4	22.7	26.6	31.5	19.9	12.6	36.8	1968
1969	12.6	11.2	14.4	73.2	131	167	83.3	19.3	13.1	12.4	11.4	7.17	46.4	1969
1970	5.10	5.84	7.06	11.5	128	149	36.8	13.7	10.9	10.1	8.21	5.73	32.7	1970
1971	5.14	11.2	9.11	31.0	171	156	51.8	19.3	13.2	13.2	9.98	8.02	41.7	1971
1972	6.85	6.49	35.5	48.4	242	256	86.1	42.3	25.5	22.8	12.7	7.49	66.1	1972
1973	11.2	10.1	11.7	19.3	94.4	92.5	29.8	13.6	10.5	9.18	7.72	7.08	26.5	1973
1974	9.73	9.47	14.8	48.2	167	245	71.5	30.9	17.3	11.4	10.1	7.97	53.6	1974
1975	6.92	6.05	7.08	21.8	128	275	99.0	32.8	19.1	18.1	19.5	20.6	54.5	1975
1976	11.2	11.2	13.3	39.7	143	79.6	48.5	90.8	26.1	15.0	10.2	7.47	41.5	1976
1977	5.76	7.24	6.20	21.2	44.9	34.5	12.6	13.4	15.4	11.9	7.59	7.63	15.7	1977
1978	6.16	5.19	27.6	30.6	138	142	80.7	28.7	20.8	15.4	9.72	8.69	43.0	1978
1979	6.87	6.63	16.3	25.4	131	101	30.3	15.3	10.3	8.07	4.46	7.92	30.4	1979
1980	4.23	5.59	6.77	47.9	124	103	26.6	15.7	17.2	14.3	12.2	19.4	33.1	1980
1981	14.6	13.1	12.9	33.0	214	157	69.7	26.8	13.7	11.6	8.05	7.12	48.7	1981
1982	3.93	5.19	7.46	15.7	85.3	134	51.2	15.4	11.9	13.1	8.01	7.69	30.0	1982
MEAN	7.75	8.27	13.4	31.8	140	157	56.2	26.1	16.3	14.1	10.6	9.10	41.2	MEAN

LOCATION - LAT 49 33 27 N   DRAINAGE AREA, 4 400 km²
LONG 113 49 20 W   NATURAL FLOW

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	263 AT 07:30 MST ON JUN 5	252 ON JUN 5	---	---	1966
1967	739 AT 22:00 MST ON MAY 30	634 ON MAY 31	5.66B ON DEC 19	1 830 000	1967
1968	357 AT 13:00 MST ON MAY 23	297 ON MAY 23	5.07B ON JAN 27	1 160 000	1968
1969	538 AT 14:30 MST ON JUN 26	467 ON JUN 26	5.38B ON DEC 26	1 460 000	1969
1970	402 AT 01:46 MST ON JUN 14	351 ON JUN 14	4.56B ON JAN 16	1 030 000	1970
1971	331 AT 09:30 MST ON MAY 28	314 ON MAY 28	4.28B ON JAN 13	1 310 000	1971
1972	716 A ON JUN 1	651 A ON JUN 1	3.17B ON DEC 9	2 090 000	1972
1973	212 AT 10:20 MST ON MAY 18	199 ON MAY 18	3.96B ON DEC 31	836 000	1973
1974	408 AT 08:35 MST ON JUN 18	374 ON JUN 17	5.64B ON JAN 1	1 690 000	1974
1975	1 560 AT 07:30 MST ON JUN 20 *	1 220 ON JUN 20 *	5.41B ON FEB 1	1 720 000	1975
1976	326 AT 06:20 MST ON AUG 6	269 ON AUG 6	4.19B ON DEC 30	1 310 000	1976
1977	77.0 AT 19:45 MST ON MAY 11	68.5 ON MAY 12	2.97B ON NOV 21	495 000	1977
1978	247 AT 11:25 MST ON JUN 6	238 ON JUN 6	4.25B ON MAR 3	1 360 000	1978
1979	282 AT 06:00 MST ON MAY 27	269 ON MAY 27	2.13B ON NOV 30	960 000	1979
1980	272 AT 00:00 MST ON MAY 27	249 ON MAY 27	2.84B ON JAN 11	1 050 000	1980
1981	519 AT 14:30 MST ON MAY 22	477 ON MAY 22	1.98 ON NOV 26 *	1 540 000	1981
1982	189 AT 06:05 MST ON MAY 26	181 ON MAY 26	2.76B ON JAN 16	948 000	1982
				1 300 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	27.1	8.81	5.28	5.11	---	---	---	1908
1909	---	---	---	---	80.6	96.1	---	19.3	7.15	5.05	---	---	---	1909
1910	---	---	---	---	---	24.4	9.16	5.41	6.78	9.18	---	---	---	1910
1911	2.73	3.31	3.10	10.4	35.6	58.1	16.0	22.9	28.2	10.5	7.16	5.16	17.0	1911
1912	2.39	2.42	8.81	15.3	23.4	53.9	28.9	15.4	7.17	6.31	5.77	4.16	14.5	1912
1913	3.16	3.30	2.94	20.2	48.4	48.7	17.0	15.5	9.42	8.02	7.22	4.97	15.8	1913
1914	3.45	2.55	2.74	10.5	38.1	36.1	17.1	7.66	5.73	12.7	10.6	4.38	12.7	1914
1915	4.87	2.99	2.96	14.0	65.3	69.4	38.0	19.6	11.4	11.5	9.12	4.22	21.2	1915
1916	3.20	21.7	12.1	18.1	41.2	98.5	52.6	13.9	13.3	8.18	5.49	2.66	24.2	1916
1917	3.36	2.98	2.82	9.59	57.6	75.9	26.0	11.0	6.46	4.23	3.80	2.99	17.3	1917
1918	3.60	1.26	2.84	12.4	27.1	41.7	11.8	8.81	6.67	6.76	4.06	2.56	10.8	1918
1919	2.45	2.47	2.79	14.1	43.1	28.2	9.42	5.11	3.35	3.29	2.75	3.06	10.0	1919
1920	2.18	2.53	3.87	9.88	44.7	68.5	36.2	8.61	4.81	4.37	3.91	3.03	16.0	1920
1921	2.76	3.06	3.27	10.9	42.8	41.3	12.0	4.71	3.21	3.22	2.65	1.60	11.0	1921
1922	1.83	1.69	1.74	5.34	41.6	49.8	15.9	6.19	4.33	3.75	3.25	1.92	11.5	1922
1923	2.05	2.18	2.89	6.82	52.0	129	31.2	10.8	5.82	4.57	3.21	2.57	21.1	1923
1924	1.87	2.66	2.47	6.27	39.2	59.5	18.1	17.6	5.84	4.48	2.89	2.60	13.6	1924
1925	2.62	2.74	5.18	23.0	51.0	41.4	12.0	6.10	5.69	7.39	5.74	5.01	14.0	1925
1926	3.95	4.07	4.26	16.2	13.3	26.8	14.3	5.98	24.7	22.3	8.91	4.91	12.5	1926
1927	3.10	2.66	3.27	17.4	48.9	92.5	29.0	22.8	39.2	21.2	9.62	5.69	24.6	1927
1928	7.46	5.20	7.39	15.4	52.8	56.1	52.6	13.0	10.5	15.3	7.85	3.90	20.7	1928
1929	2.83	2.64	5.20	7.33	37.6	79.6	14.0	5.37	4.02	3.86	2.80	2.89	14.0	1929
1930	2.29	5.61	4.10	18.6	41.3	52.1	17.9	6.17	4.83	3.65	2.35	1.95	13.4	1930
1931	1.72	1.72	2.49	3.32	---	---	---	---	---	---	---	---	---	1931
1944	---	---	---	---	---	---	---	---	---	---	2.29	1.45	---	1944
1945	1.21	1.20	1.77	2.59	---	---	---	---	---	---	4.38	2.75	---	1945
1946	2.45	3.28	3.90	10.0	---	---	---	---	---	---	4.74	3.63	---	1946
1947	3.53	3.48	6.94	19.8	---	---	---	---	---	---	---	---	---	1947
1948	---	2.87	3.96	15.7	---	---	---	---	---	---	4.30	3.20	---	1948
1949	2.13	1.90	1.78	6.17	---	---	---	---	---	---	---	---	---	1949
MEAN	2.93	3.54	4.06	12.3	42.2	60.3	23.0	11.3	9.73	8.04	5.20	3.39	15.8	MEAN

LOCATION - LAT 49 36 23 N   DRAINAGE AREA, 1 940 km²
LONG 114 02 43 W   NATURAL FLOW

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	235 ON JUN 2	---	---	1909
1910	---	---	---	---	1910
1911	---	158 ON MAY 16	1.84 ON MAR 14	535 000	1911
1912	---	200 ON JUN 16	2.18 B ON JAN 10	459 000	1912
1913	---	67.4 ON MAY 13	2.10 B ON MAR 25	498 000	1913
1914	---	57.2 ON JUN 4	2.38 B ON MAR 4	400 000	1914
1915	---	123 ON JUN 27	1.47 B ON MAR 10	669 000	1915
1916	---	170 ON JUN 19	2.12 ON MAR 1	764 000	1916
1917	---	114 ON MAY 16	1.70 B ON DEC 25	545 000	1917
1918	---	89.2 ON JUN 10	0.793B ON FEB 17 *	341 000	1918
1919	---	85.0 ON MAY 29	0.963B ON NOV 12	316 000	1919
1920	---	105 ON JUN 16	0.878B ON JAN 11	507 000	1920
1921	---	82.7 ON MAY 26	1.02 B ON DEC 23	347 000	1921
1922	---	85.2 ON JUN 6	1.10 B ON FEB 16	361 000	1922
1923	---	626 ON MAY 31 *	1.03 B ON DEC 2	664 000	1923
1924	---	79.3 ON JUN 8	1.30 B ON JAN 17	431 000	1924
1925	---	102 ON MAY 22	2.21 B ON JAN 29	442 000	1925
1926	---	74.5 ON JUN 23	2.83 B ON APR 4	393 000	1926
1927	---	177 ON JUN 11	2.55 B ON FEB 17	777 000	1927
1928	---	187 ON JUL 3	3.20 B ON DEC 31	655 000	1928
1929	---	419 ON JUN 3	2.32 B ON NOV 18	441 000	1929
1930	---	83.0 ON JUN 8	1.64 B ON DEC 19	423 000	1930
1931	---	---	---	---	1931
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	53.0E ON APR 30	3.03 B ON FEB 1	---	1947
1948	---	---	---	---	1948
1949	---	12.3 ON APR 29	1.47 B ON MAR 16	---	1949
				498 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	13.0	17.7	29.9	---	---	---	1910
1911	---	---	---	50.4	168	237	55.9	58.9	115	36.5	38.9	18.2	---	1911
1912	11.2	10.7	24.0	46.3	106	108	84.9	34.4	20.7	19.7	20.2	12.0	41.6	1912
1913	8.66	8.03	10.9	73.9	148	174	51.3	32.8	21.6	21.9	18.9	11.7	48.5	1913
1914	8.01	6.65	11.4	44.6	116	104	42.8	21.7	19.1	47.3	36.2	14.3	39.5	1914
1915	12.1	9.67	13.3	48.5	185	174	93.6	46.6	26.9	31.8	25.2	15.5	57.1	1915
1916	9.60	37.2	30.6	45.2	103	326	143	35.9	25.8	17.8	15.9	9.20	66.4	1916
1917	7.78	7.06	7.64	24.2	172	247	79.6	24.7	15.1	11.2	9.60	7.28	51.1	1917
1918	14.6	8.00	16.1	33.1	86.0	126	32.5	18.9	15.6	14.9	11.3	8.80	32.2	1918
1919	8.55	5.08	8.55	35.4	114	75.6	25.3	13.1	8.46	9.84	9.06	7.12	26.8	1919
1920	6.09	7.29	12.6	29.5	129	175	91.1	22.9	13.1	14.0	10.4	7.44	43.2	1920
1921	8.09	9.22	10.6	32.7	121	132	39.6	14.9	10.5	12.1	8.22	7.86	33.9	1921
1922	6.79	5.34	5.99	18.8	127	143	42.3	15.7	8.97	8.41	8.22	5.10	33.0	1922
1923	6.46	5.87	7.69	23.1	118	446	79.6	32.4	16.0	6.49	11.2	8.10	63.2	1923
1924	7.34	10.6	9.37	15.1	84.6	128	35.9	25.9	12.2	10.5	10.4	10.3	30.0	1924
1925	11.3	10.2	31.3	78.1	136	101	22.9	8.28	12.3	19.2	14.9	15.3	38.5	1925
1926	9.92	9.10	8.14	33.4	37.6	37.3	16.5	4.71	47.3	59.3	25.3	15.6	25.4	1926
1927	9.63	8.29	11.0	44.7	173	299	109	46.3	86.4	59.2	31.6	20.7	75.1	1927
1928	24.2	18.2	38.3	50.8	177	151	140	32.1	23.1	34.3	20.0	13.2	60.3	1928
1929	8.25	7.47	21.9	22.5	122	193	27.5	5.36	3.85	3.97	8.16	7.11	35.9	1929
1930	6.24	14.2	13.2	61.8	109	114	22.2	3.15	3.50	7.70	8.34	6.21	30.8	1930
1931	6.88	5.81	7.25	10.2	43.7	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	5.51	6.81	---	---	---	1932
1933	6.79	4.47	6.82	21.2	---	---	42.1	8.85	---	---	34.5	21.0	---	1933
1934	17.0	20.6	28.1	115	150	118	26.7	2.48	2.87	---	---	13.2	---	1934
1935	14.3	19.1	12.1	30.6	88.8	99.9	23.0	2.62	1.91	3.23	8.35	6.42	25.8	1935
1936	5.48	3.98	12.3	39.5	84.4	57.6	2.51	0.778	0.790	2.04	6.92	5.51	18.5	1936
1937	4.30	4.67	6.73	18.3	65.1	125	23.2	1.80	1.10	7.44	24.1	10.6	24.3	1937
1938	8.00	7.72	10.3	54.3	185	154	42.5	9.56	4.39	6.38	13.5	8.42	42.2	1938
1939	6.95	5.31	14.7	32.9	54.2	95.6	26.0	1.51	1.44	10.1	14.7	11.9	22.9	1939
1940	7.03	6.64	15.6	29.7	89.8	40.7	8.08	2.90	15.8	25.7	17.7	12.1	22.7	1940
1941	9.22	7.61	11.2	26.4	34.3	38.9	10.2	1.70	13.2	23.2	16.6	26.1	18.3	1941
1942	16.7	8.35	8.10	30.9	215	243	92.0	33.8	32.3	19.9	14.6	10.5	60.6	1942
1943	8.16	9.84	28.3	89.3	102	132	53.5	6.00	4.08	3.43	6.99	5.15	37.4	1943
1944	5.16	5.29	5.69	5.55	15.3	29.8	9.32	2.13	2.07	3.93	6.71	6.17	8.08	1944
1945	5.68	5.03	6.95	3.40	86.9	192	49.4	3.87	3.99	10.1	13.4	9.35	32.5	1945
1946	8.07	6.67	10.3	35.4	94.6	121	38.1	3.25	15.2	19.6	19.4	14.7	32.2	1946
1947	12.4	22.0	29.0	73.2	173	117	26.7	10.2	22.6	50.7	30.8	11.5	48.4	1947
1948	10.9	8.34	13.0	86.3	244	333	78.6	41.6	7.79	---	---	---	---	1948
MEAN	9.38	9.71	14.4	40.9	118	154	49.7	17.4	17.8	19.1	16.8	11.2	38.3	MEAN

LOCATION - LAT 49 43 00 N DRAINAGE AREA, 5 760 km^2
LONG 113 27 00 W REGULATED

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	467 ON MAY 16	---	---	1911
1912	---	306 ON JUN 16	7.36 B ON DEC 18	1 320 000	1912
1913	---	385 ON MAY 29	6.37 B ON FEB 26	1 530 000	1913
1914	---	167 ON JUN 5	5.66 B ON JAN 31	1 240 000	1914
1915	---	292 ON JUN 26	7.79 B ON DEC 16	1 800 000	1915
1916	---	609 ON JUN 21	7.79 B ON JAN 13	2 100 000	1916
1917	340 ON JUN 10 *	331 ON JUN 10	4.25 B ON DEC 4	1 610 000	1917
1918	---	237 ON JUN 12	4.59 B ON DEC 30	1 020 000	1918
1919	---	261 A ON MAY 28	2.83 B ON FEB 5	846 000	1919
1920	283 ON JUN 18	276 ON JUN 18	2.58 B ON DEC 8	1 370 000	1920
1921	---	252 A ON MAY 26	4.56 B ON NOV 20	1 070 000	1921
1922	282 ON JUN 6	271 ON JUN 6	3.68 B ON NOV 30	1 040 000	1922
1923	---	1 990 A ON JUN 1 *	4.81 ON OCT 16	1 990 000	1923
1924	---	197 ON JUN 9	5.52 B ON JAN 1	950 000	1924
1925	---	272 ON MAY 22	5.89 ON SEP 4	1 210 000	1925
1926	---	109 A ON JUN 23	4.19 A ON AUG 24	801 000	1926
1927	---	493 ON JUN 12	6.65 B ON MAR 20	2 370 000	1927
1928	---	394 ON JUL 1	8.95 B ON DEC 3	1 910 000	1928
1929	---	671 ON JUN 4	1.64 B ON NOV 21	1 130 000	1929
1930	---	187 ON MAY 31	2.35 ON AUG 31	970 000	1930
1931	---	86.9A ON MAY 16	3.00 B ON FEB 8	---	1931
1932	---	---	---	---	1932
1933	---	---	2.63 B ON FEB 10	---	1933
1934	---	541 ON JUN 8	1.81 ON SEP 5	---	1934
1935	---	186 ON MAY 24	0.793 ON OCT 17	814 000	1935
1936	---	135 ON MAY 15	0.518 ON AUG 8	584 000	1936
1937	---	391 ON JUN 13	0.881 ON AUG 16	767 000	1937
1938	---	445 ON MAY 26	0.566 ON OCT 21	1 330 000	1938
1939	---	242 ON JUN 17	0.184 ON SEP 17 *	724 000	1939
1940	---	164 ON MAY 12	0.425 ON AUG 29	718 000	1940
1941	---	76.7 ON JUN 3	1.37 ON AUG 7	576 000	1941
1942	---	1 060 ON MAY 12	4.56 B ON FEB 25	1 910 000	1942
1943	---	199 ON JUN 18	3.23 ON OCT 31	1 180 000	1943
1944	---	49.6 ON JUN 28	1.47 ON AUG 13	255 000	1944
1945	---	411 ON JUN 7	1.30 ON APR 17	1 020 000	1945
1946	---	238 ON MAY 29	1.81 ON AUG 22	1 020 000	1946
1947	---	303 ON MAY 11	3.34 ON AUG 12	1 530 000	1947
1948	---	1 100 ON JUN 18	---	---	1948
				1 210 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	249	80.3	---	---	---	1911
1912	27.3	25.4	51.2	102	223	223	192	83.6	46.0	46.4	---	---	---	1912
1913	17.5	11.7	12.8	145	266	445	172	98.8	55.3	60.1	50.6	25.6	114	1913
1914	19.0	17.6	31.8	96.6	244	224	108	54.5	45.8	113	84.8	31.0	89.5	1914
1915	25.9	20.4	55.5	98.4	297	409	259	145	93.9	102	59.4	27.9	133	1915
1916	22.7	87.[illegible]	97.2	106	232	665	385	108	89.4	51.3	38.0	36.3	160	1916
1917	19.9	22.5	23.6	102	436	612	221	56.7	35.3	29.7	26.9	18.5	134	1917
1918	55.4	31.2	50.2	87.6	213	307	82.3	43.8	39.7	40.2	26.7	21.0	83.3	1918
1919	18.1	16.0	17.5	65.9	242	189	59.1	30.2	17.6	18.8	22.6	19.9	60.0	1919
1920	18.4	24.6	59.1	90.5	294	364	236	58.8	36.0	41.2	30.2	21.6	106	1920
1921	19.5	23.1	43.0	94.6	284	359	121	41.4	26.2	44.9	31.2	25.2	93.0	1921
1922	18.8	13.0	15.5	62.2	282	372	125	38.7	22.3	20.5	25.1	13.1	84.2	1922
1923	16.2	12.2	20.3	55.1	223	762	190	79.4	51.4	27.5	29.6	16.9	123	1923
1924	14.7	21.5	29.1	53.5	206	325	112	59.9	26.8	26.6	32.1	28.4	77.9	1924
1925	34.7	30.4	60.8	177	325	297	98.2	32.2	37.9	60.8	38.7	30.1	102	1925
1926	20.4	18.6	20.7	71.8	84.9	90.7	49.4	16.7	98.7	138	59.5	36.6	58.9	1926
1927	20.9	20.6	41.4	106	432	786	301	126	205	162	85.7	47.0	195	1927
1928	94.8	43.2	108	104	395	360	401	82.0	53.0	99.4	56.8	29.8	153	1928
1929	20.3	16.9	58.1	60.1	276	405	89.9	21.8	17.4	18.7	21.6	17.3	85.4	1929
1930	14.8	45.2	37.8	154	267	268	76.4	18.7	16.0	25.8	18.3	15.7	79.7	1930
1931	13.2	12.7	14.8	22.1	135	107	23.9	11.6	11.0	---	---	---	---	1931
1932	---	---	---	---	---	361	83.1	26.0	19.3	16.8	31.2	26.6	---	1932
1933	19.5	13.4	20.2	64.3	242	351	133	24.5	30.7	48.7	105	55.8	92.6	1933
1934	65.1	70.1	61.2	222	311	324	69.4	15.3	14.8	27.8	85.9	32.3	108	1934
1935	36.7	64.5	49.9	73.0	180	217	74.6	21.0	10.2	11.2	20.6	15.7	64.3	1935
1936	10.3	6.53	45.6	90.7	186	156	18.5	5.96	5.98	6.34	15.3	6.08	46.1	1936
1937	8.95	8.98	19.6	40.8	133	367	67.6	15.3	9.76	23.2	39.3	23.0	62.9	1937
1938	23.8	16.2	53.2	85.8	332	328	116	23.3	16.1	17.1	19.9	18.2	87.8	1938
1939	18.7	11.5	34.2	64.3	153	185	63.2	10.2	8.71	21.3	25.1	20.7	51.4	1939
1940	15.5	13.5	33.9	58.5	189	114	31.0	17.6	27.8	44.9	30.4	23.5	50.0	1940
1941	19.5	17.6	25.2	47.9	91.2	101	46.6	10.2	27.6	64.5	41.3	39.3	44.4	1941
1942	28.9	16.0	29.4	73.2	367	615	243	82.6	67.7	52.6	32.0	29.0	137	1942
1943	18.6	24.4	54.4	204	254	389	197	33.2	13.7	13.7	18.9	12.9	103	1943
1944	10.3	9.88	12.6	21.6	58.2	102	41.7	13.8	10.4	15.0	18.3	13.6	27.2	1944
1945	13.3	12.8	20.9	15.8	194	426	133	14.4	17.8	30.8	44.1	25.2	79.0	1945
1946	19.1	15.4	28.2	70.3	213	293	95.7	15.0	29.9	42.9	42.0	30.9	74.7	1946
1947	27.5	51.3	144	149	357	283	93.6	36.3	58.5	125	74.5	28.3	119	1947
1948	30.4	22.0	34.5	183	553	941	170	88.9	23.1	---	---	---	---	1948
1953	---	---	---	---	---	---	---	---	---	---	---	---	---	1953
1957	---	---	---	---	---	---	---	---	13.1	32.5	47.8	18.8	---	1957
1958	14.5	13.0	27.2	106	277	258	132	42.3	22.4	23.5	29.9	23.1	81.0	1958
1959	19.9	32.1	53.7	91.8	286	413	158	41.3	66.6	73.3	81.6	54.4	115	1959
1960	31.7	25.0	79.9	112	200	229	68.6	25.3	9.12	10.4	14.9	13.6	68.3	1960
1961	10.2	12.4	17.1	22.0	222	261	50.2	15.5	14.5	37.7	30.3	12.6	58.9	1961
1962	15.7	32.5	53.2	124	146	170	50.0	14.8	11.9	10.3	12.6	16.6	54.7	1962
1963	16.0	24.5	18.8	16.0	107	242	252	32.8	18.2	16.9	23.7	21.2	66.0	1963
1964	15.0	13.8	12.9	34.0	349	609	142	25.6	14.9	25.5	19.0	15.3	106	1964
1965	19.7	28.0	39.5	107	235	497	239	55.4	70.1	95.6	97.5	38.8	123	1965
1966	27.5	23.8	49.3	108	267	374	160	52.1	46.1	25.3	31.4	23.8	99.2	1966
1967	21.1	24.4	56.4	77.8	474	719	206	32.6	13.1	13.3	27.4	12.2	140	1967
1968	17.7	19.5	30.3	29.7	138	263	75.5	48.3	106	99.5	95.5	36.1	79.9	1968
1969	33.9	22.2	92.3	161	240	331	236	35.7	12.2	18.5	25.1	15.1	102	1969
1970	8.46	13.5	19.8	29.3	237	350	90.2	19.5	15.1	18.2	19.3	21.5	70.2	1970
1971	18.4	52.4	27.3	61.6	292	339	88.0	29.8	21.2	32.1	29.3	17.0	84.0	1971
1972	16.8	17.0	120	127	411	499	156	95.0	47.1	49.9	40.7	21.0	134	1972
1973	20.9	24.5	34.6	30.9	125	144	36.9	8.30	9.68	13.5	24.1	21.8	41.2	1973
1974	18.5	29.9	43.0	82.7	283	473	138	52.5	33.3	17.6	19.6	13.8	100	1974
1975	12.2	12.2	16.3	74.2	318	729	245	49.5	64.3	55.4	41.8	52.6	139	1975
1976	45.9	35.5	43.0	73.6	242	131	81.9	150	46.7	36.1	26.1	17.4	77.8	1976
1977	12.8	19.7	15.8	21.9	40.2	26.0	7.66	8.30	9.43	14.8	11.8	12.1	16.7	1977
1978	9.07	10.5	70.7	47.2	244	303	153	55.8	114	73.7	28.3	19.7	94.4	1978
1979	13.0	11.2	73.7	79.7	290	188	26.7	11.5	8.60	16.1	13.0	15.9	62.6	1979
1980	6.54	11.2	15.4	46.1	189	238	26.3	15.1	22.6	34.9	43.3	31.7	56.6	1980
1981	53.3	33.8	25.0	32.7	416	316	90.5	34.4	12.4	13.3	21.3	8.94	88.5	1981
1982	5.52	9.82	17.2	44.3	96.5	257	100	12.0	10.6	34.4	25.6	17.6	52.5	1982
MEAN	22.3	23.6	42.1	82.9	251	346	129	42.3	39.0	42.9	36.9	23.9	89.5	MEAN

LOCATION - LAT 49 42 30 N   DRAINAGE AREA, 17 000 km²
LONG 112 52 30 W   REGULATED SINCE 1910

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	419 ON JUN 17	---	---	1912
1913	---	705 ON MAY 29	8.50B ON DEC 24	3 580 000	1913
1914	---	348 ON JUN 5	8.21 ON MAR 27	2 820 000	1914
1915	---	626 ON JUN 27	18.2 ON MAR 8	4 200 000	1915
1916	---	1 220 ON JUN 20	9.94 ON NOV 13	5 040 000	1916
1917	---	1 120 ON JUN 10	12.7 B ON DEC 11	4 230 000	1917
1918	---	569 ON JUN 15	10.2 B ON NOV 27	2 630 000	1918
1919	---	547 ON MAY 30	8.89B ON FEB 26	1 890 000	1919
1920	---	501 ON JUN 19	10.5 B ON JAN 21	3 360 000	1920
1921	---	510 ON MAY 26	14.8 B ON FEB 4	2 930 000	1921
1922	---	597 ON JUN 7	6.48B ON DEC 3	2 650 000	1922
1923	2 830 AT 16:30 MST ON JUN 2	2 360 ON JUN 2	10.6 B ON FEB 10	3 890 000	1923
1924	---	490 ON JUN 8	11.6 B ON JAN 9	2 460 000	1924
1925	---	547 ON MAY 24	14.2 B ON DEC 23	3 220 000	1925
1926	244 AT 08:30 MST ON JUN 21	241 ON JUN 21	13.5 B ON FEB 18	1 860 000	1926
1927	1 420 AT 16:30 MST ON JUN 12	1 380 ON JUN 12	15.6 B ON JAN 21	6 150 000	1927
1928	1 240 AT 17:30 MST ON JUL 2	1 200 ON JUL 2	15.9 B ON DEC 2	4 830 000	1928
1929	1 180 AT 18:00 MST ON JUN 4	1 110 ON JUN 4	10.6 B ON NOV 22	2 690 000	1929
1930	---	402 ON JUN 1	7.45 ON SEP 8	2 510 000	1930
1931	---	250 ON MAY 18	---	---	1931
1932	---	852 ON JUN 3	---	---	1932
1933	---	445 ON JUN 18	12.1 B ON FEB 9	2 920 000	1933
1934	---	991 ON JUN 8	10.2 ON AUG 30	3 410 000	1934
1935	---	385 ON MAY 25	5.95 ON OCT 7	2 030 000	1935
1936	---	292 ON JUN 3	3.79 ON AUG 31	1 460 000	1936
1937	---	1 130 ON JUN 14	7.14B ON JAN 29	1 990 000	1937
1938	---	804 ON MAY 28	9.94B ON NOV 12	2 770 000	1938
1939	---	371 ON JUN 18	5.66 ON SEP 5	1 620 000	1939
1940	---	268 ON MAY 14	5.52 ON AUG 31	1 580 000	1940
1941	---	181 ON JUN 4	6.20 ON AUG 25	1 400 000	1941
1942	2 710 AT 12:00 MST ON JUN 7	2 340 ON JUN 7	10.1 B ON FEB 16	4 310 000	1942
1943	---	549 ON JUN 20	8.38B ON DEC 24	3 250 000	1943
1944	---	166 ON JUN 29	7.25B ON JAN 1	862 000	1944
1945	---	813 ON JUN 8	5.52 ON SEP 7	2 490 000	1945
1946	---	484 ON MAY 30	10.4 ON AUG 24	2 360 000	1946
1947	---	643 ON MAR 17	17.2 ON AUG 19	3 770 000	1947
1948	---	2 830 ON JUN 18	---	---	1948
1953	3 110 AT 02:00 MST ON JUN 10 *	2 890 ON JUN 10 *	---	---	1953
1957	---	---	---	---	1957
1958	439 AT 01:00 MST ON MAY 14	416 ON MAY 14	6.43B ON FEB 8	2 550 000	1958
1959	612 AT 06:00 MST ON JUN 7	606 ON JUN 7	14.3 B ON JAN 30	3 610 000	1959
1960	---	379 ON JUN 5	6.09 ON SEP 18	2 160 000	1960
1961	586 AT 09:00 MST ON MAY 29	572 ON MAY 29	5.83 ON JAN 4	1 860 000	1961
1962	---	259 ON JUN 15	7.36 ON OCT 4	1 730 000	1962
1963	---	861 ON JUL 1	5.38 ON NOV 20	2 080 000	1963
1964	2 090 AT 13:00 MST ON JUN 10	1 980 ON JUN 10	7.65 ON MAR 24	3 360 000	1964
1965	968 AT 12:00 MST ON JUN 19	923 ON JUN 19	12.1 B ON FEB 14	3 880 000	1965
1966	699 AT 03:00 MST ON JUN 6	682 ON JUN 6	11.9 B ON DEC 3	3 130 000	1966
1967	1 090 AT 06:00 MST ON JUN 2	1 060 ON JUN 1	9.00B ON DEC 14	4 410 000	1967
1968	413 AT 08:00 MST ON JUN 9	408 ON JUN 9	11.8 B ON JAN 6	2 530 000	1968
1969	974 AT 10:27 MST ON JUN 30	957 ON JUN 30	5.10B ON DEC 11	3 220 000	1969
1970	---	722 ON JUN 16	4.62B ON NOV 23	2 220 000	1970
1971	586 AT 13:00 MST ON JUN 1	583 ON JUN 1	5.15B ON DEC 9	2 650 000	1971
1972	892 AT 08:40 MST ON JUN 2	867 ON JUN 2	7.99B ON DEC 3	4 210 000	1972
1973	257 AT 00:04 MST ON MAY 21	250 ON MAY 21	4.87 ON AUG 28	1 300 000	1973
1974	711 AT 08:25 MST ON JUN 19	697 ON JUN 19	7.62B ON DEC 27	3 160 000	1974
1975	2 820 AT 20:00 MST ON JUN 21	2 440 ON JUN 21	10.1 B ON JAN 23	4 390 000	1975
1976	---	365 A ON MAY 15	9.40B ON DEC 31	2 460 000	1976
1977	58.0 AT 03:00 MST ON MAY 13	57.5 ON MAY 13	2.61B ON NOV 23 *	527 000	1977
1978	467 AT 22:40 MST ON JUN 10	459 ON JUN 10	8.24B ON JAN 30	2 980 000	1978
1979	532 AT 08:40 MST ON MAY 28	522 ON MAY 28	7.73 ON SEP 27	1 970 000	1979
1980	843 ON MAY 27	807 A ON MAY 27	4.76B ON JAN 11	1 790 000	1980
1981	1 170 AT 13:00 MST ON MAY 23	1 100 ON MAY 24	5.30B ON DEC 31	2 800 000	1981
1982	348 AT 17:25 MST ON JUN 18	325 ON JUN 17	4.00B ON JAN 10	1 660 000	1982
				2 820 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	---	---	---	---	---	---	---	---	---	10.0	12.1	6.76	---	1948
1949	5.84	5.31	6.93	38.5	100	78.1	12.7	3.76	2.61	6.20	13.2	11.2	23.8	1949
1950	6.52	9.66	13.9	43.2	138	189	66.5	11.0	3.24	9.24	20.3	19.7	44.2	1950
1951	11.7	14.6	26.0	75.1	274	258	156	50.1	122	83.0	43.8	25.9	95.4	1951
1952	20.5	19.8	34.4	107	111	91.5	48.0	23.5	13.7	9.79	10.7	8.84	41.6	1952
1953	9.08	9.98	17.6	45.1	184	522	100	21.5	9.80	9.61	13.1	7.92	79.0	1953
1954	4.88	12.8	12.9	38.1	201	181	89.9	24.7	32.1	33.9	24.7	17.5	56.3	1954
1955	7.11	7.09	7.76	49.3	144	191	99.9	18.4	7.34	19.1	26.4	9.57	49.0	1955
1956	8.32	6.89	11.5	40.2	172	132	73.6	19.5	9.36	8.64	10.5	9.72	42.0	1956
1957	6.96	9.39	26.5	23.9	194	116	16.1	1.55	1.26	7.77	16.4	8.40	35.9	1957
1958	6.93	6.85	11.9	40.2	159	98.5	69.1	19.4	9.79	5.73	8.07	8.96	37.3	1958
1959	10.3	8.40	22.9	33.2	163	196	64.4	13.3	24.6	28.0	24.9	17.0	50.7	1959
1960	7.32	16.2	35.9	58.8	110	99.4	23.5	6.61	1.24	2.14	9.30	7.68	31.5	1960
1961	8.41	8.54	8.62	11.2	159	142	15.1	3.30	2.23	14.9	18.2	6.37	33.2	1961
1962	8.56	14.3	19.2	74.2	84.3	88.5	20.1	3.25	2.57	2.18	8.20	10.0	27.9	1962
1963	7.69	19.4	12.3	7.15	63.5	118	160	14.9	3.27	4.87	9.17	10.9	36.1	1963
1964	6.51	5.83	12.0	20.1	170	235	48.6	5.16	4.13	9.75	10.2	5.61	44.4	1964
1965	5.56	10.3	14.1	50.0	108	217	91.5	18.8	28.9	27.5	20.2	13.7	50.5	1965
1966	8.37	8.82	29.6	46.6	129	165	57.1	20.2	13.3	10.3	16.6	9.49	43.0	1966
1967	7.88	10.0	23.8	24.3	245	372	80.9	12.2	4.37	6.52	18.8	7.94	67.9	1967
1968	7.23	10.2	17.6	14.7	93.8	126	40.4	15.1	29.1	38.2	---	---	---	1968
1969	---	---	26.1	97.3	131	179	125	10.9	4.49	10.7	---	---	---	1969
MEAN	8.28	10.7	18.6	44.7	149	181	69.4	15.1	15.7	16.3	16.7	11.2	46.8	MEAN

LOCATION - LAT 49 47 25 N DRAINAGE AREA, 8 880 km²
LONG 113 07 25 W REGULATED

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	---	---	---	---	1948
1949	---	182 ON MAY 25	1.76 ON SEP 25	749 000	1949
1950	---	257 ON JUN 16	1.44 ON OCT 10	1 400 000	1950
1951	---	527 ON JUN 25	3.96 B ON JAN 6	3 010 000	1951
1952	---	216 ON APR 28	3.82 B ON NOV 29	1 310 000	1952
1953	---	1 550 ON JUN 10 *	4.42 B ON JAN 8	2 490 000	1953
1954	---	464 ON MAY 20	2.12 B ON JAN 19	1 780 000	1954
1955	---	396 ON MAY 21	3.96 B ON FEB 23	1 550 000	1955
1956	---	419 ON MAY 22	1.27 B ON DEC 9	1 330 000	1956
1957	---	247 ON MAY 22	0.464 ON OCT 3	1 130 000	1957
1958	---	273 ON MAY 13	2.52 ON OCT 13	1 180 000	1958
1959	---	297 ON MAY 27	4.47 B ON DEC 31	1 600 000	1959
1960	---	274 ON MAY 14	0.541 ON OCT 8	995 000	1960
1961	---	462 ON MAY 28	0.108 ON SEP 9 *	1 050 000	1961
1962	---	207 ON JUN 15	1.48 ON OCT 25	879 000	1962
1963	---	725 ON JUL 1	0.900 ON OCT 26	1 140 000	1963
1964	---	623 ON JUN 9	3.28 ON AUG 27	1 400 000	1964
1965	---	595 ON JUN 19	0.793B ON DEC 27	1 590 000	1965
1966	---	309 ON JUN 6	2.66 B ON DEC 3	1 360 000	1966
1967	---	714 ON JUN 1	3.45 ON SEP 29	2 140 000	1967
1968	---	270 ON MAY 24	---	---	1968
1969	---	569 ON JUN 27	---	---	1969
MEAN				1 480 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	633	167	30.2	22.5	32.5	23.6	15.2	---	1964
1965	20.9	31.3	32.0	97.4	210	471	248	63.6	72.2	101	46.3	39.3	120	1965
1966	25.6	21.2	51.2	117	249	358	160	54.4	48.4	28.2	38.3	18.6	97.7	1966
1967	15.5	22.8	57.8	83.3	444	731	207	40.0	18.9	17.4	28.3	10.2	140	1967
1968	15.4	18.6	37.3	30.8	140	288	95.6	56.0	111	110	87.1	38.6	85.6	1968
1982	---	---	---	---	96.2	288	126	23.5	17.1	37.7	28.0	18.1	---	1982
MEAN	19.4	23.5	44.6	82.1	228	462	167	44.6	48.4	54.5	41.9	23.3	111	MEAN

LOCATION - LAT 49 55 08 N DRAINAGE AREA, 27 500 km²
LONG 111 48 00 W REGULATED

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	1 840 ON JUN 11 *	---	---	1964
1965	---	892 ON JUN 20	11.7 B ON MAR 30	3 770 000	1965
1966	---	626 ON JUN 7	10.8 B ON DEC 5	3 080 000	1966
1967	---	1 070 ON JUN 2	6.80B ON DEC 16 *	4 410 000	1967
1968	---	430 ON JUN 10	10.3 B ON JAN 6	2 710 000	1968
1982	401 AT 13:55 MST ON JUN 19 *	372 ON JUN 17	---	---	1982
				3 490 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	---	3.68	3.01	2.79	---	1949
1950	1.37	1.38	1.63	5.34	35.8	54.8	21.1	6.92	3.95	4.15	4.70	4.35	12.2	1950
1951	2.93	2.20	3.59	12.1	69.7	64.5	42.7	15.0	28.5	17.8	9.47	6.07	23.0	1951
1952	3.95	4.12	6.50	26.3	29.6	32.1	16.9	10.2	6.01	4.03	2.91	2.45	12.1	1952
1953	2.08	2.02	1.89	9.16	49.7	116	29.7	9.03	5.40	3.83	4.03	2.61	19.6	1953
1954	1.76	3.15	4.87	5.32	54.8	62.2	28.1	9.34	8.69	9.96	6.22	4.66	16.7	1954
1955	3.63	2.89	2.99	21.4	25.8	52.6	29.3	7.40	4.46	6.29	4.32	2.56	13.6	1955
1956	2.27	2.25	2.80	10.0	54.8	39.9	35.3	10.0	5.51	4.25	3.16	3.77	14.6	1956
1957	2.88	2.94	3.22	6.07	52.2	30.4	10.1	5.46	3.82	3.33	2.86	2.56	10.5	1957
1958	2.63	2.26	1.91	5.44	45.8	32.2	30.8	8.72	5.28	4.28	3.19	2.73	12.2	1958
1959	2.92	2.48	2.98	8.02	45.7	65.4	20.5	7.25	8.29	7.55	5.86	5.23	15.2	1959
1960	2.90	2.94	6.39	15.6	31.2	39.2	12.0	6.68	3.80	3.21	2.28	2.14	10.7	1960
1961	1.83	2.51	2.38	3.03	48.0	48.7	10.2	6.35	5.37	8.84	5.25	2.77	12.1	1961
1962	2.67	2.60	2.33	15.6	26.6	32.6	10.7	5.18	3.77	3.39	3.20	2.49	9.27	1962
1963	3.10	3.09	1.97	4.36	22.5	48.0	56.6	8.88	5.64	4.27	3.19	2.27	13.7	1963
1964	2.14	1.97	2.24	4.47	49.3	68.5	17.8	6.29	5.06	4.41	4.58	2.56	14.1	1964
1965	2.30	2.80	3.19	8.14	24.6	61.3	26.3	9.34	10.1	9.12	6.96	3.38	14.0	1965
1966	2.14	2.51	5.35	9.29	42.1	50.9	18.0	6.91	4.88	4.34	2.63	2.73	12.7	1966
1967	2.90	2.82	2.54	3.42	57.2	106	26.7	7.11	4.24	3.60	2.55	2.04	18.4	1967
1968	2.72	2.55	3.19	4.11	30.1	46.7	18.8	8.61	8.71	9.81	4.96	3.90	12.0	1968
1969	2.62	3.16	2.77	17.9	43.0	59.2	31.5	7.17	4.56	4.27	3.21	1.65	15.1	1969
1970	1.94	1.72	2.12	3.69	33.6	49.8	12.6	4.72	4.22	3.67	1.73	2.08	10.2	1970
1971	1.80	2.50	1.94	8.16	52.9	54.0	14.8	6.31	4.42	4.99	4.67	2.90	13.3	1971
1972	2.42	2.04	5.18	8.75	81.0	91.2	26.7	15.7	11.1	8.01	5.02	3.19	21.7	1972
1973	2.80	2.87	2.37	4.25	29.6	32.9	9.86	5.35	4.34	3.58	2.52	2.52	8.60	1973
1974	2.35	2.23	3.44	11.6	55.4	98.2	23.7	10.0	5.91	4.79	2.55	2.35	18.6	1974
1975	2.29	2.20	1.97	3.03	36.4	83.4	31.5	11.1	6.23	5.60	4.92	4.20	16.1	1975
1976	3.55	2.45	2.45	10.2	43.7	24.6	13.[illegible]	45.2	10.4	5.74	4.52	2.76	14.1	1976
1977	1.89	2.77	2.96	7.47	14.1	13.1	5.[illegible]	6.46	6.28	4.85	3.26	2.66	5.93	1977
1978	1.95	1.62	7.78	7.27	43.0	54.4	29.7	10.1	6.79	5.47	3.63	3.28	14.7	1978
1979	2.20	2.00	3.15	5.30	37.9	30.1	9.57	5.89	4.05	2.90	2.01	1.72	8.94	1979
1980	1.92	2.05	1.51	13.7	32.5	34.0	8.62	6.91	6.51	5.58	4.18	4.60	10.2	1980
1981	4.03	2.93	3.47	8.62	68.0	54.0	23.1	11.1	5.66	4.53	3.33	2.55	16.0	1981
1982	1.26	1.50	2.03	5.27	23.2	50.8	16.6	5.60	5.00	4.82	2.20	2.18	10.0	1982
MEAN	2.49	2.47	3.18	8.86	42.1	54.0	21.8	9.28	6.57	5.56	3.91	3.02	13.6	MEAN

LOCATION - LAT 49 48 50 N DRAINAGE AREA, 1 440 km^2
LONG 114 11 00 W NATURAL FLOW

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	---	---	---	1949
1950	79.6 AT 01:00 MST ON MAY 28	72.8 ON MAY 28	1.10 B ON JAN 18	383 000	1950
1951	137 AT 15:00 MST ON JUN 15	125 ON JUN 15	1.30 B ON MAR 10	725 000	1951
1952	71.4 AT 14:30 MST ON JUN 12	51.0 ON APR 27	1.81 B ON DEC 24	382 000	1952
1953	453 AT 23:00 MST ON JUN 8 *	337 ON JUN 9 *	1.44 B ON MAR 21	619 000	1953
1954	149 AT 23:00 MST ON MAY 19	127 ON MAY 20	1.30 B ON JAN 22	525 000	1954
1955	99.1 AT 01:00 MST ON MAY 20	74.5 ON MAY 20	2.24 B ON DEC 23	430 000	1955
1956	149 AT 01:00 MST ON MAY 21	136 ON MAY 21	1.47 B ON NOV 7	461 000	1956
1957	77.6 AT 23:00 MST ON MAY 5	71.4 ON MAY 7	1.16 B ON JAN 23	333 000	1957
1958	79.9 AT 21:00 MST ON MAY 12	66.8 ON MAY 12	1.59 B ON MAR 2	385 000	1958
1959	110 AT 01:00 MST ON JUN 6	103 ON JUN 5	2.21 B ON FEB 8	480 000	1959
1960	84.1 AT 01:00 MST ON MAY 13	74.2 ON MAY 12	1.42 B ON DEC 6	338 000	1960
1961	177 AT 07:00 MST ON MAY 27	162 ON MAY 27	1.19 B ON MAR 15	383 000	1961
1962	51.0 AT 02:00 MST ON MAY 20	49.3 ON MAY 20	1.54 B ON DEC 23	292 000	1962
1963	212 E ON JUN 30	198 E ON JUN 30	1.48 B ON MAR 13	434 000	1963
1964	140 AT 12:00 MST ON JUN 8	131 ON JUN 8	1.46 B ON FEB 5	446 000	1964
1965	173 AT 06:00 MST ON JUN 18	155 ON JUN 18	1.22 B ON JAN 23	440 000	1965
1966	100 AT 01:00 MST ON JUN 5	98.6 ON JUN 5	2.07 B ON JAN 1	400 000	1966
1967	286 AT 22:00 MST ON MAY 30	242 ON MAY 31	1.56 B ON NOV 17	581 000	1967
1968	92.0 AT 03:14 MST ON MAY 23	84.1 ON MAY 23	1.55 B ON DEC 31	380 000	1968
1969	140 AT 02:13 MST ON JUN 26	129 ON JUN 26	1.36 B ON DEC 7	476 000	1969
1970	104 AT 22:25 MST ON JUN 13	91.5 ON JUN 14	1.05 B ON NOV 21	321 000	1970
1971	106 AT 23:00 MST ON JUN 6	102 ON JUN 6	1.46 B ON MAR 18	421 000	1971
1972	245 AT 01:15 MST ON JUN 1	217 ON JUN 1	1.96 B ON FEB 27	688 000	1972
1973	74.8 AT 01:00 MST ON MAY 18	63.4 ON MAY 18	1.61 B ON MAR 14	271 000	1973
1974	174 AT 04:00 MST ON JUN 17	163 ON JUN 17	1.29 B ON JAN 3	585 000	1974
1975	368 AT 04:30 MST ON JUN 20	286 ON JUN 20	1.65 B ON MAR 25	507 000	1975
1976	250 AT 00:50 MST ON AUG 6	173 ON AUG 6	1.54 B ON MAR 12	447 000	1976
1977	28.6 AT 10:15 MST ON MAY 11	25.4 ON MAY 11	1.35 B ON JAN 2	187 000	1977
1978	113 AT 01:30 MST ON JUN 6	102 ON JUN 6	1.50 B ON FEB 13	462 000	1978
1979	109 AT 01:30 MST ON MAY 27	94.0 ON MAY 27	1.28 B ON DEC 14	282 000	1979
1980	67.0 ON MAY 26	62.0E ON MAY 26	1.21 B ON MAR 6	322 000	1980
1981	221 AT 02:10 MST ON MAY 26	182 ON MAY 26	0.700B ON DEC 31	505 000	1981
1982	78.4 AT 00:17 MST ON JUN 16	71.6 ON JUN 16	0.495B ON JAN 5 *	317 000	1982
				431 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.32	5.00	2.90	2.19	---	---	---	1951
1952	---	---	---	---	---	4.27	7.35	2.89	1.41	1.32	---	---	---	1952
1953	---	---	---	---	3.99	11.9	3.52	3.44	1.40	1.45	---	---	4.26	1953
1954	---	---	---	---	---	---	2.94	4.20	1.99	2.19	---	---	---	1954
1955	---	---	---	---	0.223	1.75	3.40	2.73	1.00	1.80	---	---	1.82	1955
1956	---	---	---	---	0.607	2.39	3.34	3.03	1.96	1.93	---	---	2.21	1956
1957	---	---	---	---	0.764	2.92	2.99	2.56	0.950	1.85	---	---	2.00	1957
1958	---	---	---	---	0.791	3.58	2.83	2.19	0.806	1.59	---	---	1.96	1958
1959	---	---	---	---	0.455	2.83	2.64	2.09	0.991	1.42	---	---	1.73	1959
1960	---	---	---	---	0.226	2.38	3.54	2.85	1.87	1.47	---	---	2.06	1960
1961	---	---	---	---	0.782	2.42	3.19	2.65	1.17	2.41	---	---	2.11	1961
1962	---	---	---	---	0.511	3.84	3.68	3.23	0.960	1.59	---	---	2.30	1962
1963	---	---	---	---	1.24	3.98	2.33	3.38	1.06	1.50	---	---	2.24	1963
1964	---	---	---	---	0.749	3.56	2.95	3.01	1.66	2.48	---	---	2.40	1964
1965	---	---	---	---	0.546	3.40	2.10	3.60	1.36	1.67	---	---	2.11	1965
1966	---	---	---	---	0.617	2.54	3.63	1.96	1.08	1.52	---	---	1.89	1966
1967	---	---	---	---	1.86	1.58	2.84	2.73	2.33	2.36	---	---	2.28	1967
1968	---	---	---	---	1.16	2.35	3.24	2.36	1.20	2.08	---	---	2.07	1968
1969	---	---	---	---	0.577	2.83	2.63	3.16	1.48	2.10	---	---	2.13	1969
1970	---	---	---	---	0.873	3.86	3.23	2.65	2.92	1.09	---	---	2.43	1970
1971	---	---	---	---	0.975	2.93	3.16	3.81	2.30	1.79	---	---	2.49	1971
1972	---	---	1.42	0.461	0.962	3.79	3.76	3.90	2.93	1.62	---	---	2.82	1972
1973	---	---	0.553	0.210	1.22	4.32	---	---	1.97	1.41	---	---	---	1973
1974	---	---	0.191	2.38	0.250	2.85	4.37	5.70	2.75	2.42	---	---	3.06	1974
1975	---	---	---	---	1.54	1.53	2.33	3.81	2.03	1.47	---	---	2.12	1975
1976	---	---	---	---	1.07	4.91	3.92	3.50	1.84	1.63	---	---	2.81	1976
1977	---	---	---	---	1.07	2.04	2.20	2.32	1.06	1.52	---	---	1.70	1977
1978	---	---	0.838	0.918	0.146	1.71	2.08	3.09	1.25	1.42	---	---	1.62	1978
1979	---	---	0.674	0.367	0.151	2.41	2.62	3.10	1.95	0.905	---	---	1.85	1979
1980	---	---	0.542	0.870	2.46	3.32	3.40	2.99	2.72	2.11	---	---	2.83	1980
1981	---	---	0.659	0.349	0.675	3.05	3.46	3.14	2.97	2.83	---	---	2.68	1981
1982	---	---	0.483	0.588	0.613	2.94	3.26	3.44	2.65	2.72	---	---	2.60	1982
MEAN	---	---	0.670	0.768	0.935	3.27	3.20	3.18	1.78	1.81	---	---	2.31	MEAN

LOCATION - LAT 50 44 00 N
LONG 111 41 15 W

DRAINAGE AREA, 496 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971, 1972 AND 1974

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	7.90 ON JUL 16	---	---	1952
1953	---	61.4 E ON JUN 3 *	0.864 ON MAY 23	67 900	1953
1954	---	---	---	---	1954
1955	---	4.84 ON JUL 8	0.057A ON MAY 13	29 000	1955
1956	---	18.4 ON AUG 3	0.127 ON MAY 23	35 100	1956
1957	---	4.98 ON JUN 15	0.289 ON MAY 17	31 900	1957
1958	---	7.76 ON JUN 29	0.054E ON MAY 1	31 200	1958
1959	---	9.15 ON JUN 27	0.025 ON MAY 5	27 600	1959
1960	---	5.97 ON JUL 3	0.062 ON MAY 12	32 700	1960
1961	---	8.01 ON JUL 29	0.040 ON MAY 1	33 500	1961
1962	---	7.31 ON JUN 15	0.040 ON MAY 2	36 600	1962
1963	---	11.4 ON JUN 22	0.054 ON MAY 4	35 600	1963
1964	---	8.64 ON JUN 16	0.065 ON MAY 1	38 200	1964
1965	---	8.21 ON JUN 26	0.014E ON MAY 17	33 500	1965
1966	---	5.64 ON JUL 26	0.076 ON MAY 14	30 100	1966
1967	---	4.76 ON AUG 8	0.419 ON MAY 30	36 300	1967
1968	---	5.78 ON JUL 21	0.059 ON SEP 16	32 800	1968
1969	---	8.38 ON JUN 29	0.065 ON SEP 20	33 900	1969
1970	---	12.8 ON JUN 17	0.057B ON OCT 31	38 600	1970
1971	---	5.64 ON AUG 8	0.142B ON OCT 29	39 600	1971
1972	---	5.52 ON AUG 14	0.059 ON MAY 3	44 800	1972
1973	---	20.3 ON JUN 16	---	---	1973
1974	---	9.49 ON AUG 14	0.068 ON MAY 12	48 700	1974
1975	12.0 AT 20:00 MST ON MAY 24	6.74 ON JUN 20	0.091 ON OCT 31	33 700	1975
1976	7.22 AT 01:00 MST ON AUG 4	6.97 ON AUG 4	0.059 ON MAY 2	44 600	1976
1977	---	3.43 ON AUG 18	0.057E ON MAY 1	27 100	1977
1978	6.29 AT 16:50 MST ON AUG 23	5.47 ON AUG 23	0 ON MAY 8 *	25 700	1978
1979	---	5.75 ON AUG 6	0.023 ON MAY 17	29 500	1979
1980	13.4 AT 05:00 MST ON MAY 26 *	12.1 ON MAY 26	0.090E ON MAY 1	45 000	1980
1981	8.70 AT 04:10 MST ON JUN 14	7.63 ON JUN 14	0.140 ON MAY 10	42 700	1981
1982	10.8 AT 07:29 MST ON JUL 2	10.1 ON JUL 2	0.040E ON MAY 5	41 400	1982
				36 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.699	0.630	0.491	0.080	0.043	0.043	---	---	0.331	1966
1967	---	---	---	---	0.066	0.830	1.38	0.466	0.086	0.044	---	---	0.480	1967
1968	---	---	---	---	0.724	0.727	0.753	0.306	0.167	0.143	---	---	0.470	1968
1969	---	---	---	---	0.683	1.22	0.637	0.507	0.139	0.096	---	---	0.545	1969
1970	---	---	---	---	1.29	0.708	0.168	0.162	0.079	0.069	---	---	0.413	1970
1971	---	---	---	---	0.460	0.852	0.924	0.269	0.013	0.087	---	---	0.434	1971
1972	---	---	---	---	0.953	0.848	0.882	0.312	0.017	0.003	---	---	0.503	1972
1973	---	---	---	---	0.864	0.481	1.16	0.324	0.092	0.064	---	---	0.500	1973
MEAN	---	---	---	---	0.717	0.787	0.799	0.303	0.080	0.069	---	---	0.460	MEAN

LOCATION - LAT 50 31 42 N
LONG 111 52 07 W   REGULATED

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	2.42 ON MAY 31	0 E ON MAY 1 *	5 260	1966
1967	---	2.10 ON JUL 13	0 E ON MAY 1	7 630	1967
1968	---	1.61 ON JUL 13	0.010 ON AUG 31	7 480	1968
1969	---	2.30 ON JUN 13	0.005 ON SEP 25	8 680	1969
1970	---	3.96 ON MAY 26 *	0 ON MAY 4	6 570	1970
1971	---	1.84 ON JUN 3	0 ON MAY 1	6 910	1971
1972	---	1.53 ON MAY 27	0 ON MAY 1	8 000	1972
1973	---	1.77 ON JUN 8	0 ON MAY 1	7 950	1973
				7 310	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTAUWAU RIVER NEAR SLAVE LAKE - STATION NO. 07BK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	---	---	0.294	---	---	---	1922
MEAN	---	---	---	---	---	---	---	---	---	0.294	---	---	---	MEAN

LOCATION - LAT 55 16 30 N   DRAINAGE AREA, 515 km^2
LONG 114 24 35 W   NATURAL FLOW

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.68	0.354	0.935	---	---	---	1972
1973	---	---	0.615	8.72	7.30	7.59	3.88	2.65	2.07	3.28	---	---	4.49	1973
1974	---	---	0.203	97.7	49.4	4.48	16.7	2.10	0.815	0.630	---	---	21.3	1974
1975	---	---	0.175	13.0	8.19	2.59	8.74	3.50	4.73	0.776	---	---	5.19	1975
1976	---	---	1.76	16.2	2.42	1.77	2.03	2.83	3.37	0.635	---	---	3.88	1976
1977	---	---	0.780	12.9	17.2	19.9	9.44	6.79	3.09	2.62	---	---	9.05	1977
1978	---	---	5.14	13.1	6.07	6.15	8.86	2.21	9.83	2.17	---	---	6.65	1978
1979	---	---	10.6	23.0	22.3	14.6	25.2	2.97	0.604	0.506	---	---	12.5	1979
1980	---	---	0.284	22.5	3.05	22.1	5.86	4.11	3.63	1.58	---	---	7.78	1980
1981	---	---	8.37	11.6	4.59	6.43	1.60	1.98	0.195	0.196	---	---	4.34	1981
1982	---	---	0.069	23.5	18.8	1.29	9.68	1.80	1.67	0.595	---	---	7.16	1982
MEAN	---	---	2.80	24.2	13.9	8.69	9.20	2.97	2.76	1.26	---	---	8.23	MEAN

LOCATION - LAT 54 06 45 N DRAINAGE AREA, 2 390 km²
LONG 114 23 55 W NATURAL FLOW

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	23.9 AT 19:00 MST ON JUN 30	23.8 ON JUN 30	0.170B ON MAR 1	95 200	1973
1974	365 AT 22:30 MST ON APR 21 *	351 ON APR 21 *	0.142B ON MAR 17	451 000	1974
1975	---	38.2B ON APR 20	0.113B ON MAR 22	110 000	1975
1976	28.3 AT 22:00 MST ON APR 8	28.2 ON APR 9	0.079 ON JUL 30	81 300	1976
1977	68.0 AT 13:00 MST ON JUN 4	67.7 ON JUN 4	0.187 ON JUL 3	192 000	1977
1978	45.9B AT 15:40 MST ON APR 4	37.7 ON JUL 16	0.110B ON MAR 1	141 000	1978
1979	64.0 AT 04:25 MST ON APR 30	63.6 ON APR 30	0.115B ON MAR 4	264 000	1979
1980	48.6 AT 20:15 MST ON JUN 29	48.4 ON JUN 29	0.084B ON MAR 2	165 000	1980
1981	42.4 AT 16:40 MST ON JUN 3	40.5 ON JUN 3	0.052 ON SEP 24 *	92 000	1981
1982	95.6 AT 14:25 MST ON APR 23	82.2 ON APR 26	0.060B ON MAR 1	151 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		174 000	MEAN

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.183	2.83	0.769	7.15	1.35	1.10	0.315	0.297	---	---	1.73	1980
1981	---	---	0.907	1.57	1.83	3.00	0.612	0.339	0.093	0.112	---	---	1.05	1981
1982	---	---	0.069	2.49	2.21	0.822	3.89	0.965	0.683	0.475	---	---	1.45	1982
MEAN	---	---	0.386	2.30	1.60	3.66	1.95	0.801	0.364	0.295	---	---	1.41	MEAN

LOCATION - LAT 53 51 29 N DRAINAGE AREA, 261 km²
LONG 115 21 45 W NATURAL FLOW

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	25.8 AT 05:50 MST ON JUN 17	20.6 ON JUN 25	0.089 ON SEP 27	36 600	1980
1981	34.2 AT 09:20 MST ON JUN 1 *	31.7 ON JUN 1 *	0.014 ON SEP 13 *	22 300	1981
1982	20.6 AT 16:25 MST ON JUL 15	17.1 ON JUL 5	0.032B ON MAR 1	30 700	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		29 900	MEAN

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.145	16.7	3.74	[illegible]	0.738	0.025	0.010	0.026	---	---	2.70	1963
1964	---	---	0.228	2.54	2.04	[illegible].497	0.927	1.23	1.78	0.796	---	---	1.23	1964
1965	---	---	0.116	17.2	8.85	19.3	7.11	0.501	0.999	0.529	---	---	6.76	1965
1966	---	---	1.31	10.0	2.71	0.954	0.578	0.507	0.317	0.296	---	---	2.07	1966
1967	---	---	0.031	3.48	4.54	1.46	0.057	0.027	0.003	0.006	---	---	1.20	1967
1968	---	---	2.44	0.985	1.58	0.287	0.035	0.257	0.126	0.129	---	---	0.728	1968
1969	---	---	0.085	10.7	1.70	0.430	0.508	1.94	2.79	1.10	---	---	2.37	1969
1970	---	---	0.410	6.00	1.65	0.575	4.24	0.987	0.123	0.189	---	---	1.77	1970
1971	---	---	0.208	13.1	2.11	9.11	20.0	0.583	0.321	0.383	---	---	5.71	1971
1972	---	---	1.14	8.54	7.05	7.44	0.860	0.424	0.147	---	---	---	---	1972
1973	---	---	0.802	4.12	3.74	4.48	0.937	1.51	1.12	0.902	---	---	2.19	1973
1974	---	---	0.121	28.1	10.2	0.985	6.98	0.266	0.399	0.481	---	---	5.90	1974
1975	---	---	0.127	4.20	3.68	3.87	2.22	2.08	0.998	0.304	---	---	2.17	1975
1976	---	---	0.592	5.75	0.849	0.800	0.500	1.37	1.09	0.253	---	---	1.39	1976
1977	---	---	0.173	5.38	14.7	2.97	3.59	1.29	1.95	1.23	---	---	3.91	1977
1978	---	---	2.88	3.92	3.46	3.24	5.45	1.26	5.01	0.994	---	---	3.27	1978
1979	---	---	2.99	7.77	7.45	6.51	7.74	0.415	0.273	0.567	---	---	4.21	1979
1980	---	---	0.106	6.62	1.23	14.9	2.36	2.09	1.73	0.585	---	---	3.66	1980
1981	---	---	3.60	2.44	2.53	5.29	1.75	0.916	0.161	0.231	---	---	2.11	1981
1982	---	---	0.122	9.06	4.70	0.249	5.99	1.21	1.60	0.378	---	---	2.83	1982
MEAN	---	---	0.881	8.33	4.42	4.18	3.63	0.944	1.02	0.494	---	---	2.96	MEAN

LOCATION - LAT 53 53 50 N DRAINAGE AREA, 625 km²
LONG 115 02 20 W NATURAL FLOW

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	54.7 ON APR 16	50.7 ON APR 16	0.006 ON SEP 9	57 100	1963
1964	---	14.0 ON MAY 7	0.042 ON JUL 13	26 000	1964
1965	---	122 ON JUN 28 *	0.014B ON MAR 11	143 000	1965
1966	---	30.6 B ON APR 2	0.057B ON MAR 1	43 800	1966
1967	---	9.03 ON MAY 8	0 ON SEP 17 *	25 300	1967
1968	---	11.8 ON MAY 7	0.008 ON JUL 17	15 400	1968
1969	---	39.6 B ON APR 11	0 ON JUL 22	50 200	1969
1970	---	20.1 ON JUL 19	0 B ON MAR 1	37 400	1970
1971	76.5 AT 09:00 MST ON JUL 12	73.6 ON JUL 12	0.170 ON SEP 7	121 000	1971
1972	---	36.8 ON JUN 26	---	---	1972
1973	---	31.1 A ON JUN 25	0.204 ON AUG 2	46 300	1973
1974	91.7A AT 00:00 MST ON APR 19 *	88.1 A ON APR 19	0.088 ON AUG 18	125 000	1974
1975	40.8 AT 22:00 MST ON JUN 29	37.1 ON JUN 29	0.127B ON MAR 1	46 000	1975
1976	---	13.5 B ON APR 7	0.085B ON MAR 1	29 400	1976
1977	83.0 AT 23:45 MST ON MAY 29	75.3 ON MAY 30	0.159B ON MAR 1	82 800	1977
1978	82.1 AT 11:00 MST ON JUL 11	66.0 ON JUL 11	0.181B ON MAR 1	69 200	1978
1979	38.9 AT 04:25 MST ON APR 25	35.7 ON APR 25	0.060 ON SEP 26	89 200	1979
1980	45.4 AT 12:55 MST ON JUN 18	42.5 ON JUN 18	0.025B ON MAR 1	77 400	1980
1981	43.8 AT 04:30 MST ON JUN 2	38.0 ON JUN 2	0.049 ON SEP 19	44 600	1981
1982	---	36.9 ON APR 25	0 ON OCT 16	59 900	1982
MEAN				62 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	0 R	---	---	---	1981
1982	---	---	0.007	0.864	0.024	0.004	0.233	0.011	0.003	0.004	---	---	0.142	1982
MEAN	---	---	0.007	0.864	0.024	0.004	0.233	0.011	0.003	0.002R	---	---	0.142	MEAN

LOCATION - LAT 52 23 00 N DRAINAGE AREA, 190 km²
LONG 112 08 00 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	7.45 AT 10:02 MST ON APR 15 *	6.05 ON APR 15 *	0B ON MAR 1 *	3 000	1982
MEAN				3 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.332	1.01	0.090	---	---	---	---	---	---	---	---	1921
1922	---	---	0.479	2.28	0.113	0	0	0	---	---	---	---	---	1922
1923	---	---	0.105	0.041	0	0.177	0.018	0.016	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0.009	0	0	---	---	0.001	1924
1925	---	0.021	0.797	0.617	0.017	0.013	---	---	---	---	---	---	---	1925
1926	---	0	0.071	0	---	---	---	---	---	---	---	---	---	1926
1927	---	0	0.147	1.05	0.723	0.145	0.022	0.101	0	0	---	---	0.272	1927
1928	---	---	1.60	0.075	0	0.169	0.805	0	0	0	---	---	0.334	1928
1929	---	0	0.399	0.193	0.095	0.016	---	---	---	---	---	---	---	1929
1930	---	0.417	0	0	0	---	---	---	---	---	---	---	---	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.484	---	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.063	0.368	0.479	0.104	0.065	0.169	0.025	0	0	---	---	0.202	MEAN

LOCATION - LAT 49 50 00 N DRAINAGE AREA, 224 km²
LONG 110 51 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	6.43 ON APR 14	0B ON MAR 10 *	---	1921
1922	---	8.10 ON APR 3 *	0B ON MAR 1	---	1922
1923	---	2.29 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0.210 ON AUG 23	0 ON MAR 1	24.5	1924
1925	---	5.52 ON MAR 29	0B ON MAR 1	---	1925
1926	---	0.617B ON MAR 4	0B ON MAR 1	---	1926
1927	---	4.59 ON MAY 29	0B ON MAR 1	5 760	1927
1928	---	6.12 ON MAR 21	0B ON MAR 1	7 080	1928
1929	---	1.01 B ON MAR 20	0B ON MAR 1	---	1929
1930	---	0.006B ON MAR 3	0B ON MAR 1	---	1930
1931	---	---	0 ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.38 B ON MAR 10	0B ON MAR 1	---	1936
MEAN				4 290	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BM007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0	0	0	0	0	---	---	---	1965
1966	---	---	2.56	0.166	0	0.006	0.969	0	0	0	---	---	0.467	1966
1967	---	---	0	3.69	0.339	0.013	0	0	0	0	---	---	0.496	1967
1968	---	---	0	0	0	0	0.046	0	0.073	0	---	---	0.015	1968
1969	---	---	0	1.58	0.005	0	0	0	0	0	---	---	0.194	1969
1970	---	---	0.236	0.051	0.001	0.052	0.017	0	0	0	---	---	0.045	1970
1971	---	---	0	2.32	0.078	0.005	0	0	0	0	---	---	0.295	1971
1975	---	---	---	---	---	0.007	0	0	0	0	---	---	---	1975
1976	---	---	0.169	0.308	0.033	0	0	0	0	0	---	---	0.063	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.169	0.219	0.015	0.012	0	0	0.111	0	---	---	0.065	1978
1979	---	---	0.139	0.013	0.004	0.001	0	0	0	0	---	---	0.020	1979
1980	---	---	0	0.930	0.009	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0.009	0.007	0.007	0.011	0.004	0	0	0	---	---	0.005	1981
1982	---	---	0.147	0.285	0.006	0	0	0	0	0	---	---	0.054	1982
MEAN	---	---	0.264	0.736	0.038	0.007	0.069	0	0.012	0	---	---	0.141	MEAN

LOCATION - LAT 50 59 40 N DRAINAGE AREA, 129 km²
LONG 112 50 27 W REGULATED

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BN007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON MAY 21 *	---	1965
1966	---	22.2 ON MAR 28 *	0E ON MAR 1	9 870	1966
1967	---	17.5 ON APR 15	0B ON MAR 1	10 500	1967
1968	---	0.396E ON SEP 25	0 ON MAR 1	310	1968
1969	13.3 AT 10:00 MST ON APR 5	11.3 ON APR 5	0B ON MAR 1	4 110	1969
1970	2.79 AT 11:00 MST ON MAR 25	2.00 ON MAR 25	0B ON MAR 1	949	1970
1971	14.0 AT 09:00 MST ON APR 9 *	11.3 ON APR 9	0B ON MAR 1	6 240	1971
1975	---	---	0 ON JUN 10	---	1975
1976	3.34 B AT 21:00 MST ON MAR 31	2.70 B ON MAR 31	0B ON MAR 1	1 340	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.64 AT 01:30 MST ON MAR 31	4.59 ON MAR 31	0B ON MAR 1	1 380	1978
1979	1.02 B AT 05:00 MST ON MAR 13	0.657B ON MAR 12	0B ON MAR 1	420	1979
1980	9.41 AT 20:00 MST ON APR 13	7.15 ON APR 13	0B ON MAR 1	2 440	1980
1981	0.178 AT 00:25 MST ON JUN 4	0.136 ON JUN 4	0B ON MAR 1	100	1981
1982	--	1.96 ON APR 12	0B ON MAR 1	1 150	1982
				2 990	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	0.835	0.302	0.045	0.182	0.033	0.057	---	---	---	1981
1982	---	---	---	---	4.31	0.335	0.785	0.567	0.712	0.331	---	---	---	1982
MEAN	---	---	---	---	2.57	0.319	0.415	0.375	0.373	0.194	---	---	---	MEAN

LOCATION - LAT 52 28 50 N
LONG 113 06 40 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON SEP 18 *	---	1981
1982	8.46 AT 12:53 MST ON MAY 5 *	7.53 ON MAY 4 *	---	---	1982
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	3 370	5 340	3 760	1 590	1 240	1 370	---	---	2 770	1960
1961	---	---	---	---	3 800	5 130	2 080	759	985	1 220	---	---	2 320	1961
1962	---	---	---	---	2 240	4 820	3 840	2 320	1 080	1 170	---	---	2 580	1962
1963	---	---	---	---	4 110	4 680	3 000	1 460	1 150	1 260	---	---	2 610	1963
1964	---	---	---	---	2 680	8 820	4 330	3 560	1 380	1 470	---	---	3 690	1964
1965	---	---	---	---	3 000	5 690	3 750	1 150	1 020	1 480	---	---	2 670	1965
1966	---	---	---	---	3 630	4 930	3 790	1 670	1 400	947	---	---	2 720	1966
1967	---	---	---	---	4 260	7 370	2 400	1 060	695	1 370	---	---	2 850	1967
1968	---	---	---	---	1 120	1 580	674	351	335	426	---	---	746	1968
1969	---	---	---	---	1 610	1 140	751	733	1 230	952	---	---	1 070	1969
1974	---	---	---	---	---	---	---	---	---	1 690	1 570	---	---	1974
1975	---	---	---	---	1 900	1 840	1 120	636	941	1 050	---	---	1 250	1975
1976	---	---	---	---	1 970	2 610	2 490	3 360	1 630	1 860	---	---	2 320	1976
1977	---	---	---	---	2 170	2 550	2 200	1 570	1 230	1 560	---	---	1 880	1977
1978	---	---	---	---	1 710	1 760	938	934	809	1 080	---	---	1 200	1978
1979	---	---	---	---	1 820	2 410	2 020	1 110	1 310	1 070	---	---	1 620	1979
1980	---	---	---	---	836	1 250	919	930	1 460	1 580	---	---	1 160	1980
1981	---	---	---	---	2 460	1 570	1 100	834	1 280	1 520	---	---	1 460	1981
1982	---	---	---	---	1 850	1 510	1 230	1 310	1 330	1 490	---	---	1 460	1982
MEAN	---	---	---	---	2 470	3 610	2 240	1 410	1 140	1 290	1 570	---	2 020	MEAN

LOCATION - LAT 55 55 09 N
LONG 118 36 19 W

DRAINAGE AREA, 130 000 km^2
REGULATED SINCE 1968

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	7 280 ON JUL 1	838 ON OCT 6	44 100 000	1960
1961	---	8 920 ON MAY 29	538 ON AUG 30	36 900 000	1961
1962	---	7 820 ON JUN 28	807 ON SEP 30	41 000 000	1962
1963	---	6 710 ON MAY 26	977 ON SEP 6	41 400 000	1963
1964	---	11 100 ON JUN 14 *	835 ON MAY 3	58 700 000	1964
1965	---	8 830 ON JUN 30	762 ON OCT 1	42 400 000	1965
1966	---	6 510 ON JUN 13	748 ON OCT 25	43 300 000	1966
1967	---	9 030 ON JUN 4	569 ON SEP 21	45 200 000	1967
1968	---	4 250 ON JUN 14	206 ON SEP 5 *	11 800 000	1968
1969	---	2 570 ON MAY 1	518 ON JUL 15	17 000 000	1969
1974	---	---	---	---	1974
1975	2 680 AT 19:00 MST ON JUN 30	2 520 ON JUN 30	513 ON AUG 19	19 800 000	1975
1976	5 580 AT 14:30 MST ON AUG 6 *	5 410 ON AUG 6	1 270 ON SEP 8	36 900 000	1976
1977	5 320 AT 17:30 MST ON JUN 11	5 270 ON JUN 11	915 ON SEP 26	29 900 000	1977
1978	2 920 AT 01:30 MST ON JUN 1	2 860 ON JUN 1	561 ON OCT 2	19 100 000	1978
1979	3 520 AT 05:00 MST ON JUL 5	3 460 ON JUL 5	570E ON OCT 15	25 700 000	1979
1980	3 050 AT 18:00 MST ON JUN 20	2 830 ON JUN 20	670E ON MAY 26	18 400 000	1980
1981	3 250 AT 18:00 MST ON MAY 28	3 130 ON MAY 28	470E ON AUG 17	23 300 000	1981
1982	3 220 AT 21:00 MST ON JUL 16	2 860 ON JUL 17	722 ON AUG 16	23 100 000	1982
				32 100 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	6 840	5 740	2 050	1 780	1 480	---	---	---	1960
1961	---	---	---	---	---	6 550	2 890	1 190	1 160	1 380	---	---	---	1961
1962	---	---	---	---	---	6 710	6 030	3 380	2 050	1 370	---	---	---	1962
1963	---	---	---	---	---	---	4 080	2 190	---	---	---	---	---	1963
1964	---	---	---	---	---	8 980	5 870	5 690	2 170	2 240	---	---	---	1964
1966	---	---	---	---	---	---	---	2 440	2 010	---	---	---	---	1966
1967	---	---	---	---	---	8 590	3 980	1 850	1 110	---	---	---	---	1967
MEAN	---	---	---	---	---	7 530	4 770	2 680	1 710	1 620	---	---	---	MEAN

LOCATION - LAT 58 39 00 N — DRAINAGE AREA, 282 000 km^2
LONG 114 01 20 W — NATURAL FLOW

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	9 850 AT 07:30 MST ON JUN 26 *	9 800 ON JUN 26	---	---	1960
1961	---	9 200E ON MAY 31	---	---	1961
1962	---	8 500E ON JUL 1	---	---	1962
1963	---	---	---	---	1963
1964	---	10 500 ON JUN 17 *	---	---	1964
1966	---	---	---	---	1966
1967	---	9 660E ON JUN 7	---	---	1967
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	944	---	---	---	---	1915
1916	293	227	278	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	6 400	3 510	1 500	869	910	---	---	---	1917
1918	---	---	---	---	5 300	7 990	6 810	2 250	1 270	---	---	---	---	1918
1919	---	---	---	---	2 760	6 590	6 030	2 940	1 700	---	---	---	---	1919
1920	---	---	---	---	---	7 910	6 740	2 800	1 490	2 210	---	---	---	1920
1921	---	---	---	---	---	7 210	4 650	2 100	1 630	1 850	---	---	---	1921
1922	---	---	---	---	3 770	5 840	2 230	1 070	819	---	---	---	---	1922
1961	---	---	---	---	3 610	6 690	2 790	1 050	1 190	1 600	1 090	378	---	1961
1962	361	421	258	1 220	3 300	6 250	5 930	3 200	1 770	1 310	1 420	380	2 160	1962
1963	331	328	374	---	---	5 700	3 680	1 950	1 410	1 430	867	496	---	1963
1964	336	265	246	713	3 550	9 700	5 810	5 240	1 960	2 030	1 250	287	2 620	1964
1965	322	292	307	1 660	4 290	6 580	5 930	1 750	1 530	1 670	1 220	454	2 180	1965
1966	284	346	299	1 540	4 290	5 650	4 440	2 270	1 870	1 070	---	---	---	1966
1967	---	---	---	---	---	8 600	3 420	1 620	952	1 470	---	---	---	1967
1968	---	---	---	---	1 890	3 030	1 670	1 030	655	625	---	---	---	1968
1969	---	---	---	---	---	1 820	1 280	1 080	1 640	---	---	---	---	1969
1970	---	---	---	---	2 120	2 510	1 420	1 020	756	971	---	---	---	1970
1971	---	---	---	---	2 370	3 500	3 700	1 270	1 120	1 420	---	---	---	1971
1972	---	---	---	---	4 550	5 250	3 850	2 470	1 480	1 940	---	---	---	1972
1973	---	---	---	---	3 940	3 770	2 540	1 900	1 610	1 800	---	---	---	1973
1974	---	---	---	---	4 930	3 320	2 750	2 050	1 640	1 880	---	---	---	1974
1975	---	---	---	---	2 440	2 520	2 190	938	1 160	1 200	---	---	---	1975
1976	---	---	---	---	2 910	3 370	3 890	4 400	2 280	2 040	---	---	---	1976
1977	---	---	---	---	3 310	4 180	3 020	2 190	1 560	1 960	---	---	---	1977
1978	---	---	---	---	2 400	2 830	1 790	1 280	1 330	1 500	---	---	---	1978
MEAN	321	313	294	1 280	3 430	5 300	3 750	2 060	1 390	1 540	1 170	399	2 320	MEAN

LOCATION - LAT 58 23 15 N DRAINAGE AREA, 223 000 km²
LONG 116 02 05 W REGULATED SINCE 1968

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	8 470 ON JUN 8	---	---	1917
1918	11 200 AT 19:00 MST ON JUN 22	11 100 ON JUN 22	---	---	1918
1919	---	9 060 ON JUN 27	---	---	1919
1920	---	9 940 ON JUN 21	---	---	1920
1921	---	8 980 ON JUN 12	---	---	1921
1922	9 340 AT 08:00 MST ON JUN 8	9 260 ON JUN 8	---	---	1922
1961	---	9 910 ON MAY 31	---	---	1961
1962	---	8 890E ON JUL 1	221B ON MAR 21	68 100 000	1962
1963	---	---	242B ON JAN 13	---	1963
1964	---	12 400 ON JUN 16 *	193B ON DEC 8 *	82 800 000	1964
1965	11 800 AT 22:00 MST ON JUL 12 *	11 500 ON JUL 13	227B ON APR 7	68 600 000	1965
1966	7 500 AT 13:00 MST ON MAY 16	7 480 ON MAY 15	---	---	1966
1967	---	10 400 ON JUN 6	---	---	1967
1968	---	6 060 ON JUN 17	---	---	1968
1969	---	2 760 ON JUN 9	---	---	1969
1970	3 710 AT 20:00 MST ON JUN 8	3 620 ON JUN 8	---	---	1970
1971	8 160 AT 17:00 MST ON JUL 15	7 960 ON JUL 15	---	---	1971
1972	10 800 AT 07:00 MST ON JUN 16	10 400 ON JUN 16	---	---	1972
1973	4 640 AT 21:00 MST ON JUN 22	4 620 ON JUN 21	---	---	1973
1974	---	---	---	---	1974
1975	4 020 AT 18:00 MST ON JUL 3	3 940 ON JUL 3	---	---	1975
1976	6 800E ON AUG 21	6 710E ON AUG 21	---	---	1976
1977	6 510 AT 17:10 MST ON JUN 13	6 340 ON JUN 13	---	---	1977
1978	---	3 820E ON JUN 6	---	---	1978
MEAN				73 200 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	4 730	1 820	2 420	1 680	1 410	732	---	1959
1960	458	400	437	1 230	3 760	7 190	6 280	2 260	1 880	1 460	1 080	406	2 240	1960
1961	424	400	396	863	4 480	7 290	3 190	1 330	1 130	1 460	1 290	479	1 900	1961
1962	496	474	346	984	3 460	7 030	6 650	3 460	2 190	1 510	1 410	590	2 390	1962
1963	588	482	446	---	---	---	3 990	2 290	1 660	1 600	890	416	---	1963
1964	449	392	344	661	3 710	9 790	6 270	5 680	2 230	2 250	1 400	488	2 810	1964
1965	493	460	419	1 270	4 660	7 000	6 230	1 980	1 790	1 800	1 630	635	2 370	1965
1966	498	421	374	1 420	4 950	5 950	4 860	2 720	2 130	1 260	770	612	2 170	1966
1967	634	454	432	414	4 630	8 440	4 010	1 870	1 040	1 640	778	429	2 070	1967
1968	359	408	385	775	2 280	3 230	2 040	1 140	804	745	525	393	1 090	1968
1969	384	428	434	2 400	3 210	2 150	1 390	1 100	1 590	1 620	915	907	1 380	1969
1970	807	739	767	1 360	2 370	2 800	1 760	1 220	869	1 040	968	687	1 280	1970
1971	810	915	1 010	1 540	2 520	3 240	4 150	1 430	1 240	1 490	1 100	854	1 700	1971
1972	959	865	1 080	1 400	4 760	5 150	4 130	2 740	1 550	1 900	1 600	1 370	2 300	1972
1973	1 440	1 640	1 610	2 800	4 520	4 670	3 380	2 600	2 100	2 040	1 430	858	2 430	1973
1974	786	1 000	1 130	2 480	7 140	4 070	3 350	2 470	2 070	2 270	1 930	1 460	2 520	1974
1975	1 410	1 370	1 500	1 780	2 940	3 220	2 970	1 480	1 910	1 620	1 340	1 290	1 900	1975
1976	1 350	1 370	1 460	2 450	3 300	3 510	4 520	4 680	2 590	2 120	1 640	1 130	2 520	1976
1977	1 400	1 370	981	2 090	3 610	4 520	3 380	2 520	1 740	1 960	1 620	1 310	2 210	1977
1978	1 650	1 630	1 530	1 790	2 900	3 760	2 020	1 420	1 730	1 830	1 560	1 580	1 950	1978
1979	1 520R	1 600R	1 520R	1 160R	4 400R	5 010R	3 550R	1 750R	1 640R	1 480R	1 440R	1 410R	2 210R	1979
1980	853	783	923	1 270	1 430	2 480	1 760	1 430	1 780	2 020	1 570	864	1 430	1980
1981	928	1 120	1 300	2 180	3 860	2 840	1 540	1 450	1 340	1 620	1 760	1 380	1 780	1981
1982	1 320	1 600	1 030	1 260	3 560	2 750	2 760	2 180	1 830	1 750	1 180	1 400	1 890	1982
MEAN	870R	884R	863R	1 530R	3 750R	4 820R	3 700R	2 210R	1 720R	1 670R	1 300R	903R	2 020	MEAN

LOCATION - LAT 59 06 50 N
LONG 112 25 35 W

DRAINAGE AREA, 293 000 km^2
REGULATED SINCE 1968

R - REVISED SINCE JAN 1980

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	7 670 AT 07:00 MST ON JUL 3	7 650 ON JUL 3	---	---	1959
1960	10 900 AT 23:00 MST ON JUN 27 *	10 800 ON JUN 28	360B ON MAR 11	70 800 000	1960
1961	9 940 AT 12:00 MST ON JUN 2	9 910 ON JUN 2	294B ON DEC 18	59 900 000	1961
1962	10 100 AT 22:00 MST ON JUL 3	10 000 ON JUL 3	272B ON APR 7 *	75 400 000	1962
1963	---	---	---	---	1963
1964	---	11 900 ON JUN 19 *	309B ON MAR 27	88 900 000	1964
1965	---	10 500 ON JUL 15	354B ON MAR 24	74 800 000	1965
1966	---	7 590 ON JUN 17	351B ON MAR 26	68 500 000	1966
1967	---	9 320 ON JUN 8	362B ON DEC 20	65 300 000	1967
1968	5 920 AT 17:00 MST ON JUN 19	5 830 ON JUN 19	348B ON JAN 6	34 500 000	1968
1969	---	7 450 ON APR 25	274B ON JAN 11	43 500 000	1969
1970	---	3 910 ON JUN 11	535 ON DEC 7	40 500 000	1970
1971	7 900 AT 12:00 MST ON JUL 17	7 820 ON JUL 17	637B ON DEC 25	53 500 000	1971
1972	9 120 AT 24:00 MST ON JUN 17	8 810 ON JUN 18	578B ON FEB 5	72 800 000	1972
1973	6 400 AT 19:00 MST ON JUN 22	6 340 ON JUN 22	714B ON DEC 27	76 500 000	1973
1974	---	11 900B ON APR 29	680B ON JAN 8	79 600 000	1974
1975	4 930 AT 04:00 MST ON JUL 6	4 870 ON JUL 6	1 150B ON DEC 17	60 000 000	1975
1976	7 480 AT 19:25 MST ON AUG 23	7 330 ON AUG 23	1 030B ON DEC 17	79 500 000	1976
1977	7 590 AT 02:50 MST ON JUN 16	6 800 ON JUN 16	875B ON MAR 30	69 800 000	1977
1978	---	4 760E ON JUN 8	1 170 ON AUG 15	61 500 000	1978
1979	---	8 320R ON MAY 15	766RB ON DEC 31	69 700 000R	1979
1980	3 730 AT 02:49 MST ON JUN 12	3 660 ON JUN 11	572B ON JAN 8	45 200 000	1980
1981	4 390 AT 18:55 MST ON JUN 2	4 340 ON JUN 2	780B ON JAN 31	56 100 000	1981
1982	7 150 AT 17:55 MST ON JUL 21	6 900 ON JUL 21	916B ON MAR 19	59 500 000	1982
MEAN				63 900 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	4 080	4 490	1 810	904	778	519	304	---	1915
1916	258	265	285	693	3 640	5 190	5 070	1 820	883	876	457	226	1 640	1916
1917	236	222	207	469	3 310	5 280	3 170	1 300	700	910	969	311	1 430	1917
1918	392	321	270	712	3 180	6 070	4 890	2 060	1 040	663	430	312	1 700	1918
1919	293	234	199	441	2 540	6 460	5 240	2 450	1 460	703	447	481	1 750	1919
1920	501	307	270	566	5 260	7 480	5 860	2 300	1 500	2 020	758	361	2 270	1920
1921	367	326	339	1 340	4 050	6 940	4 330	2 050	1 520	1 920	1 070	565	2 070	1921
1922	288	309	344	866	3 660	6 170	1 920	1 010	797	1 380	836	521	1 510	1922
1923	301	238	268	1 150	3 410	6 510	3 420	1 920	1 160	793	658	360	1 690	1923
1924	248	244	249	610	4 440	4 260	2 910	1 590	1 270	1 630	667	457	1 550	1924
1925	347	359	324	1 600	4 320	3 810	1 620	965	1 290	698	555	776	1 390	1925
1926	353	385	443	1 890	3 520	4 220	2 380	1 020	712	781	598	511	1 400	1926
1927	468	428	523	1 200	2 820	6 850	4 650	1 190	886	999	478	327	1 740	1927
1928	504	511	497	1 120	3 900	5 400	3 130	1 430	862	843	470	275	1 580	1928
1929	253	290	311	570	2 840	5 000	2 610	1 360	982	1 190	455	340	1 350	1929
1930	258	245	238	1 120	2 510	6 450	3 140	1 540	1 090	940	674	358	1 550	1930
1931	262	232	253	640	3 350	5 260	3 290	1 670	1 210	1 060	---	---	---	1931
1932	---	---	---	---	---	---	---	---	---	1 060	---	---	---	1932
1957	---	---	---	---	---	---	---	---	---	---	---	644	---	1957
1958	457	271	310	2 520	5 310	5 260	2 140	837	811	1 180	649	364	1 680	1958
1959	329	311	289	634	3 470	6 780	3 840	1 460	2 040	1 470	987	622	1 860	1959
1960	366	287	383	1 060	4 330	7 510	4 670	1 980	1 400	1 470	924	420	2 070	1960
1961	402	360	373	921	4 250	5 760	2 540	1 010	1 190	1 500	885	313	1 630	1961
1962	343	464	264	1 620	3 300	5 850	5 100	2 900	1 520	1 470	1 540	470	2 080	1962
1963	250	347	408	2 540	5 730	6 220	3 800	1 780	1 420	1 420	683	435	2 090	1963
1964	267	281	261	885	3 530	11 000	5 470	4 970	2 080	2 010	1 130	336	2 680	1964
1965	304	339	354	2 050	4 330	7 270	5 510	1 650	1 460	1 890	1 020	462	2 230	1965
1966	285	353	303	1 780	4 780	5 970	4 640	2 380	1 880	1 260	843	555	2 100	1966
1967	399	328	283	453	5 540	9 230	3 200	1 530	1 010	1 610	744	377	2 060	1967
1968	305	310	393	634	1 940	2 840	1 490	875	622	603	508	309	904	1968
1969	403	392	468	1 270	2 300	1 770	1 160	1 130	1 720	1 230	1 080	879	1 150	1969
1970	804	895	964	1 770	2 040	2 280	1 250	903	761	928	906	975	1 210	1970
1971	815	840	1 020	1 530	2 190	3 770	3 320	1 130	1 150	1 360	1 170	1 070	1 620	1971
1972	870	866	1 070	2 010	3 830	5 570	3 700	2 260	1 340	1 900	1 540	1 310	2 190	1972
1973	1 440	1 600	1 570	2 800	3 550	3 480	2 220	1 720	1 540	1 690	1 330	1 020	2 000	1973
1974	1 150	1 150	1 290	3 020	4 240	3 220	2 660	1 930	1 530	1 860	1 580	1 560	2 100	1974
1975	1 330	1 480	1 590	1 880	2 380	2 540	1 950	890	1 100	1 130	1 340	1 180	1 560	1975
1976	1 110	1 170	1 340	2 110	2 950	3 590	3 470	4 540	2 160	2 060	1 880	1 800	2 350	1976
1977	1 610	1 180	907	2 060	3 370	3 670	3 030	2 100	1 540	1 950	1 870	1 910	2 110	1977
1978	1 570	1 800	1 440	1 630	2 240	2 670	1 480	1 160	1 210	1 330	1 470	1 900	1 660	1978
1979	1 650	1 300	1 140	2 000	2 960	3 810	2 960	1 360	1 470	1 160	1 450	995	1 860	1979
1980	1 260	1 120	888	1 020	1 380	2 640	1 520	1 200	1 890	1 890	1 510	997	1 440	1980
1981	768	1 120	1 690	2 280	3 240	2 250	1 430	1 140	1 330	1 560	1 720	1 600	1 680	1981
1982	1 860	1 700	1 180	1 720	2 730	2 480	2 690	2 330	1 700	1 660	1 600	1 630	1 940	1982
MEAN	626	614	615	1 390	3 480	5 070	3 270	1 730	1 290	1 320	985	729	1 770	MEAN

LOCATION - LAT 56 14 41 N DRAINAGE AREA, 186 000 km²
LONG 117 18 46 W REGULATED SINCE 1968

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	9 600 ON JUL 14	---	---	1915
1916	---	7 420 ON JUL 6	190B ON DEC 14	52 000 000	1916
1917	---	6 260 ON JUN 6	197B ON APR 6	45 100 000	1917
1918	---	8 010 ON JUN 20	246B ON MAR 20	53 700 000	1918
1919	---	9 030 ON JUN 25	180B ON MAR 28	55 300 000	1919
1920	---	9 540 ON JUN 19	207B ON DEC 30	71 900 000	1920
1921	---	8 750 ON JUN 10	255B ON MAR 22	65 500 000	1921
1922	---	10 600 ON JUN 6	235B ON FEB 3	47 700 000	1922
1923	8 270 ON JUN 16	8 240 ON JUN 17	227B ON FEB 19	53 300 000	1923
1924	---	7 960 ON MAY 19	229B ON MAR 1	49 100 000	1924
1925	---	7 790 ON MAY 21	283B ON JAN 13	43 900 000	1925
1926	---	8 180 ON JUN 19	345B ON JAN 17	44 300 000	1926
1927	---	8 780 ON JUL 8	311B ON DEC 29	54 700 000	1927
1928	---	6 680 ON JUN 2	258B ON DEC 14	50 000 000	1928
1929	---	6 170 ON JUN 8	249B ON JAN 26	42 800 000	1929
1930	---	9 260 ON JUN 20	221B ON MAR 13	48 800 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1957	---	---	---	---	1957
1958	11 400 AT 13:30 MST ON MAY 31	11 200 ON MAY 31	244B ON NOV 27	52 900 000	1958
1959	8 270 AT 15:00 MST ON JUN 28	8 180 ON JUN 7	261B ON MAR 16	58 600 000	1959
1960	14 300 AT 09:00 MST ON JUN 23	14 000 ON JUN 23	246B ON FEB 2	65 500 000	1960
1961	10 700 AT 07:00 MST ON MAY 29	10 700 ON MAY 29	149B ON DEC 6 *	51 400 000	1961
1962	9 230 AT 13:00 MST ON JUN 29	9 150 ON JUN 29	187B ON MAR 29	65 500 000	1962
1963	8 920 AT 23:00 MST ON MAY 25	8 890 ON MAY 26	218B ON JAN 6	66 000 000	1963
1964	---	14 100 ON JUN 14 *	224 ON JAN 26	84 900 000	1964
1965	14 000 AT 03:00 MST ON JUL 11	13 300 ON JUL 11	221B ON JAN 6	70 400 000	1965
1966	---	8 380 ON MAY 12	237B ON JAN 3	66 100 000	1966
1967	11 400 AT 01:00 MST ON JUN 5	11 300 ON JUN 5	273B ON MAR 19	65 000 000	1967
1968	7 310 AT 01:00 MST ON JUN 15	6 850 ON JUN 15	186B ON NOV 20	28 600 000	1968
1969	3 710 AT 22:00 MST ON MAY 1	3 620 ON MAY 2	242B ON JAN 1	36 400 000	1969
1970	3 770 AT 03:00 MST ON JUN 6	3 710 ON JUN 6	575B ON JAN 21	38 100 000	1970
1971	10 100 AT 13:00 MST ON JUL 13	9 660 ON JUL 13	496B ON JAN 14	50 900 000	1971
1972	15 600 AT 15:00 MST ON JUN 14 *	14 100 ON JUN 14	541B ON JAN 26	69 300 000	1972
1973	4 590 AT 11:30 MST ON MAY 19	4 530 ON MAY 19	580B ON DEC 29	63 000 000	1973
1974	---	7 280B ON APR 26	660B ON JAN 24	66 400 000	1974
1975	4 330 AT 01:00 MST ON JUL 1	4 130 ON JUL 1	716B ON DEC 30	49 300 000	1975
1976	7 990 AT 00:30 MST ON AUG 19	7 700 ON AUG 19	552B ON JAN 21	74 500 000	1976
1977	6 060 AT 08:00 MST ON JUN 11	5 970 ON JUN 11	654B ON MAR 1	66 400 000	1977
1978	3 710 AT 17:00 MST ON JUN 7	3 650 ON JUN 7	782 ON AUG 9	52 300 000	1978
1979	5 330 AT 06:30 MST ON JUN 16	5 180 ON JUN 16	503B ON DEC 27	58 600 000	1979
1980	4 740 AT 12:00 MST ON JUN 6	4 630 ON JUN 6	478B ON MAR 12	45 600 000	1980
1981	4 520 AT 00:00 MST ON MAY 29	4 350 ON MAY 29	510B ON FEB 23	53 000 000	1981
1982	12 200 AT 07:30 MST ON JUL 17	10 800 ON JUL 17	985 ON NOV 2	61 300 000	1982
				56 000 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	7 360	5 500	2 080	1 430	1 480	---	---	---	1960
1961	---	---	---	---	---	6 090	2 600	1 030	1 080	1 430	---	---	---	1961
1962	---	---	---	---	3 270	5 800	5 060	2 780	1 560	1 360	---	---	---	1962
1963	---	---	---	---	---	5 580	3 530	1 790	1 330	1 410	---	---	---	1963
1964	---	---	---	---	3 640	9 530	5 390	4 870	1 960	1 960	---	---	---	1964
1965	---	---	---	---	3 980	6 230	6 140	1 720	1 540	1 400	---	---	---	1965
1966	---	---	---	---	---	5 490	4 420	2 340	1 890	---	---	---	---	1966
1967	---	---	---	---	---	8 570	3 270	1 470	944	---	---	---	---	1967
MEAN	---	---	---	---	3 630	6 830	4 490	2 260	1 470	1 510	---	---	---	MEAN

LOCATION - LAT 57 44 30 N   DRAINAGE AREA, 210 000 km^2
LONG 117 01 55 W   NATURAL FLOW

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	11 000 ON JUN 24	---	---	1960
1961	---	9 510 ON MAY 31	---	---	1961
1962	8 640 AT 03:00 MST ON JUL 1	8 500 ON JUL 1	---	---	1962
1963	---	7 670 ON MAY 26	---	---	1963
1964	---	12 100 ON JUN 18 *	---	---	1964
1965	---	11 200 ON JUL 12	---	---	1965
1966	---	---	---	---	1966
1967	10 100 AT 07:30 MST ON JUN 12 *	10 000 ON JUN 12	---	---	1967
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	2.68	0.447	0.130	0.009	0	0	0	0	---	---	0.411	1960
1961	---	---	0.083	0.001	0	0	0	0	0	0	---	---	0.011	1961
1962	---	---	0.833	0.114	0	0	0	0	0	0	---	---	0.119	1962
1963	---	---	0.646	0.239	0.005	0	2.01	0	0	0	---	---	0.366	1963
1964	---	---	0.233	1.61	0.969	0.013	0	0	0	0	---	---	0.350	1964
1965	---	---	0.306	8.32	0.313	0.688	0.415	0.001	0.024	0.032	---	---	1.24	1965
1966	---	---	3.84	1.03	0.202	0.232	0.015	0	0	0	---	---	0.668	1966
1967	---	---	1.66	3.80	2.92	0.127	0.001	0	0	0	---	---	1.06	1967
1968	---	---	0.593	0.285	0.148	0.250	0.011	0	0	0	---	---	0.161	1968
1969	---	---	1.43	3.18	0.100	0.003	0	0	0	0	---	---	0.584	1969
1970	---	---	0.681	2.04	0.101	0.064	0.015	0	0	0	---	---	0.358	1970
1971	---	---	0.420	2.35	0.151	0.045	0.004	0	0	0	---	---	0.366	1971
1972	---	---	2.33	0.147	0.024	0.002	0	0	0	0	---	---	0.316	1972
1973	---	---	0.148	0.071	0.041	0.081	0	0	0	0	---	---	0.042	1973
1974	---	---	1.10	2.28	0.239	0.026	0.005	0	0	0	---	---	0.452	1974
1975	---	---	0	2.02	2.72	0.127	0.003	0	0	0	---	---	0.608	1975
1976	---	---	1.34	0.616	0.025	0	0	0	0	0	---	---	0.248	1976
1977	---	---	0	0.090	0.016	0	0	0	0	0	---	---	0.013	1977
1978	---	---	0.503	2.56	0.887	0.071	---	0.003	0.002	0	---	---	---	1978
1979	---	---	4.07	2.15	0.926	0.129	0	0	0	0	---	---	0.910	1979
1980	---	---	0.102	0.056	0	0	0	0	0	0	---	---	0.020	1980
1981	---	0.624	0.043	0.006	0.004	0	0	0	0	0	---	---	0.007	1981
1982	---	0	0.704	3.48	0.411	1.22	0	0	0	0	---	---	0.717	1982
MEAN	---	0.312	1.03	1.60	0.449	0.134	0.113	0	0.001	0.001	---	---	0.410	MEAN

LOCATION - LAT 49 34 50 N, LONG 110 56 30 W   DRAINAGE AREA, 440 km²   NATURAL FLOW

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	14.9 AT 07:30 MST ON MAR 21	12.1 ON MAR 21	0 ON MAR 1 *	8 700	1960
1961	0.603 AT 20:00 MST ON MAR 17	0.428 ON MAR 17	0B ON MAR 3	225	1961
1962	---	3.77 A ON MAR 27	0A ON MAR 1	2 530	1962
1963	40.8 E ON JUL 4 *	8.50 E ON JUL 4	0 ON MAY 19	7 750	1963
1964	---	7.87 B ON APR 1	0B ON MAR 1	7 420	1964
1965	---	38.8 B ON APR 10 *	0B ON MAR 21	26 300	1965
1966	---	15.2 B ON MAR 16	0B ON MAR 1	14 100	1966
1967	17.0 AT 10:00 MST ON MAY 7	14.4 ON MAY 7	0B ON MAR 1	22 500	1967
1968	7.96 AT 07:12 MST ON JUN 8	2.36 ON JUN 8	0 ON JUL 14	3 400	1968
1969	---	16.1 A ON APR 2	0 ON MAR 1	12 400	1969
1970	32.6 AT 15:00 MST ON APR 7	20.9 ON APR 7	0 ON MAR 1	7 580	1970
1971	9.40 AT 10:30 MST ON APR 7	7.39 ON APR 7	0B ON MAR 1	7 730	1971
1972	27.4 AT 08:00 MST ON MAR 17	20.7 ON MAR 17	0B ON MAR 1	6 680	1972
1973	2.11 B AT 07:50 MST ON MAR 8	0.810 ON JUN 19	0 ON APR 17	898	1973
1974	12.7 B AT 06:15 MST ON MAR 30	9.66 B ON MAR 30	0B ON MAR 1	9 570	1974
1975	10.1 AT 06:00 MST ON APR 23	8.64 ON MAY 7	0B ON MAR 1	12 900	1975
1976	---	9.37 B ON MAR 18	0B ON MAR 1	5 250	1976
1977	1.15 AT 13:00 MST ON APR 6	0.779 ON APR 7	0 ON MAR 1	274	1977
1978	30.3 AT 02:00 MST ON JUL 4	---	0B ON MAR 1	---	1978
1979	---	12.4 B ON MAR 12	0B ON MAR 1	19 300	1979
1980	---	0.712B ON MAR 20	0B ON MAR 1	418	1980
1981	---	0.160B ON MAR 2	0 ON APR 27	140	1981
1982	28.8 AT 07:44 MST ON APR 14	22.4 ON APR 14	0B ON MAR 1	15 200	1982
MEAN				8 690	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	1.38	1.97	4.06	4.18	1.31	0.624	0.787	---	---	---	1912
1913	---	---	---	---	2.10	2.57	1.56	1.32	0.651	0.760	---	---	---	1913
1914	---	---	---	---	2.01	1.64	0.632	0.138	0.185	1.11	---	---	---	1914
1915	---	---	---	0.874	6.54	7.52	4.41	---	---	1.47	---	---	---	1915
1916	---	---	---	1.70	3.41	9.52	3.79	2.45	2.16	1.97	---	---	---	1916
1917	---	---	---	---	7.85	10.7	1.28	0.474	0.391	0.421	---	---	---	1917
1918	---	---	---	0.733	1.34	1.41	0.256	0.376	0.529	0.361	---	---	---	1918
1919	---	---	0.124	0.684	1.26	0.255	0.091	0.398	0.155	0.201	---	---	0.396	1919
1923	---	---	0.103	0.671	3.68	14.8	2.28	2.04	0.730	0.411	---	---	3.06	1923
1924	---	---	0.154	0.839	2.32	5.58	0.981	1.68	0.373	0.304	---	---	1.52	1924
1925	---	---	0.243	1.59	2.28	3.82	0.651	0.454	0.676	0.946	---	---	1.32	1925
1926	---	---	0.267	1.55	0.963	3.79	1.26	0.434	4.64	2.36	---	---	1.89	1926
1927	---	---	0.387	0.969	5.32	7.78	1.86	1.98	4.12	4.51	---	---	3.35	1927
1928	---	---	1.19	1.67	2.72	4.09	3.52	0.836	0.779	0.757	---	---	1.94	1928
1929	---	---	0.398	1.09	4.26	15.0	0.653	0.134	0.151	0.189	---	---	2.70	1929
1930	---	---	0.370	2.58	3.31	2.53	0.865	0.224	0.231	0.197	---	---	1.28	1930
1931	---	---	0.149	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.339	1.26	3.21	5.94	1.77	0.950	1.09	1.05	---	---	1.94	MEAN

LOCATION - LAT 50 25 40 N, LONG 114 13 30 W   DRAINAGE AREA, 203 km²   NATURAL FLOW

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	26.2 ON JUN 16	---	---	1912
1913	---	6.17 ON JUN 28	---	---	1913
1914	---	3.31 ON JUN 26	---	---	1914
1915	---	18.5 ON JUN 26	---	---	1915
1916	---	18.0 ON JUN 5	---	---	1916
1917	---	24.7 ON JUN 2	---	---	1917
1918	---	2.46 ON MAY 31	---	---	1918
1919	---	1.87 ON MAY 21	0.040 ON JUL 6 *	8 390	1919
1923	---	99.1 E ON JUN 1 *	0.071B ON MAR 3	64 800	1923
1924	---	11.7 ON JUN 14	0.122B ON MAR 16	32 200	1924
1925	---	12.4 ON JUN 11	0.113B ON MAR 1	28 000	1925
1926	---	14.1 ON JUN 22	0.176B ON MAR 15	40 000	1926
1927	---	18.4 ON JUN 11	0.266B ON MAR 10	71 100	1927
1928	---	11.8 ON JUL 1	0.283B ON MAR 1	41 100	1928
1929	---	85.0 E ON JUN 3	0.062 ON OCT 2	57 200	1929
1930	---	5.10 ON MAY 30	0.054B ON MAR 6	27 200	1930
1931	---	0.198 ON MAR 29	0.085B ON MAR 1	---	1931
				41 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.054	0.634	8.51	7.66	0.884	0.158	0.020	0.046	---	---	2.24	1967
1968	---	---	0.363	0.378	1.31	2.93	0.818	0.447	0.970	1.14	---	---	1.04	1968
1969	---	---	0.446	3.15	4.32	7.80	5.47	0.293	0.214	0.345	---	---	2.74	1969
1970	---	---	0.080	0.584	3.70	4.19	1.01	0.180	0.154	0.230	---	---	1.26	1970
1971	---	---	0.266	1.55	2.58	3.26	0.376	0.036	0.054	0.280	---	---	1.04	1971
1972	---	---	0.619	1.80	5.99	3.31	0.992	0.612	0.437	0.508	---	---	1.78	1972
1973	---	---	0.297	0.825	3.32	2.45	0.442	0.171	0.319	0.236	---	---	1.00	1973
1974	---	---	0.322	1.72	5.86	4.34	0.726	0.479	0.545	0.553	---	---	1.81	1974
1975	---	---	0.132	1.05	5.05	5.23	2.86	0.800	0.228	0.250	---	---	1.95	1975
1976	---	---	0.294	0.890	2.22	0.871	0.219	4.53	0.580	0.279	---	---	1.24	1976
1977	---	---	0.387	0.402	0.666	0.314	0.078	0.680	0.556	0.483	---	---	0.441	1977
1978	---	---	0.567	1.21	3.82	3.62	1.81	0.772	0.654	0.404	---	---	1.60	1978
1979	---	---	0.461	1.38	3.93	1.69	0.486	0.298	0.204	0.129	---	---	1.07	1979
1980	---	---	0.136	1.50	2.09	3.67	0.381	0.395	0.682	0.562	---	---	1.16	1980
1981	---	---	0.315	0.353	7.18	5.10	1.71	0.722	0.129	0.200	---	---	1.96	1981
1982	---	---	0.023	0.641	1.00	2.75	0.836	0.043	0.112	0.227	---	---	0.699	1982
MEAN	---	---	0.295	1.13	3.85	3.70	1.19	0.661	0.364	0.367	---	---	1.44	MEAN

LOCATION - LAT 50 28 26 N — DRAINAGE AREA, 232 km^2
LONG 114 12 20 W — NATURAL FLOW

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	53.8 AT 01:00 MST ON MAY 31	43.6 ON MAY 31	0 B ON MAR 1 *	47 400	1967
1968	7.56 AT 12:20 MST ON JUN 9	6.99 ON JUN 10	0.227 ON AUG 11	22 000	1968
1969	---	48.7 ON JUN 29 *	0 ON SEP 1	58 100	1969
1970	28.6 AT 03:09 MST ON JUN 18	19.5 ON JUN 18	0.031B ON MAR 7	26 600	1970
1971	14.9 AT 01:00 MST ON JUN 7	12.0 ON JUN 7	0.005 ON AUG 22	22 100	1971
1972	13.5 AT 11:30 MST ON MAY 25	11.8 ON MAY 25	0 B ON MAR 1	37 700	1972
1973	11.1 AT 07:00 MST ON MAY 26	9.85 ON MAY 26	0.042 ON AUG 29	21 300	1973
1974	13.2 AT 05:30 MST ON APR 27	10.2 ON MAY 27	0.051 ON AUG 6	38 300	1974
1975	29.7 AT 10:00 MST ON JUN 20	23.3 ON JUN 20	0.093 ON SEP 16	41 200	1975
1976	66.3 AT 22:00 MST ON AUG 5 *	28.9 ON AUG 6	0.054A ON JUL 26	26 200	1976
1977	2.46B AT 09:00 MST ON APR 5	1.57 ON AUG 23	0.018 ON JUL 25	9 320	1977
1978	8.21 AT 06:00 MST ON MAY 31	7.65 ON MAY 31	0.139B ON MAR 3	33 900	1978
1979	6.50 AT 01:00 MST ON MAY 17	6.16 ON MAY 25	0.073 ON OCT 5	22 700	1979
1980	10.2 AT 01:00 MST ON JUN 4	8.74 ON JUN 4	0.070B ON MAR 5	24 600	1980
1981	24.8 AT 01:30 MST ON MAY 22	20.2 ON MAY 22	0.017 ON SEP 19	41 500	1981
1982	4.97 AT 06:58 MST ON JUN 10	4.77 ON JUN 10	0 B ON MAR 1	14 800	1982
				30 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	18.4	17.5	---	---	---	1957
1958	---	---	5.12	104	60.7	30.0	51.1	10.4	7.64	6.30	---	---	---	1958
1959	---	---	3.78	19.6	26.6	49.5	36.9	13.9	16.4	17.5	---	---	---	1959
1960	---	---	13.5	37.8	58.0	42.7	72.6	13.7	8.83	9.46	---	---	---	1960
1961	---	---	6.76	26.9	28.3	15.1	11.9	20.5	5.57	6.36	4.76	2.07	---	1961
1962	2.29	1.72	1.64	60.4	89.5	51.2	40.4	39.4	34.1	20.7	18.9	8.34	30.8	1962
1963	6.27	3.63	2.72	120	120	40.4	19.2	8.62	7.34	6.30	2.28	1.96	28.3	1963
1964	1.93	2.37	4.48	9.07	63.2	37.3	38.9	28.2	57.2	57.7	17.1	8.39	27.3	1964
1965	6.83	4.44	6.09	153	181	168	321	56.2	52.3	33.4	19.2	13.3	85.1	1965
1966	5.59	5.85	6.13	77.6	65.2	42.3	54.3	81.4	44.2	21.7	12.8	5.85	35.4	1966
1967	5.07	4.78	4.39	41.0	75.0	59.2	18.7	14.2	4.16	4.71	3.82	0.858	19.7	1967
1968	0.694	0.864R	19.6 R	19.0 R	34.7	30.5R	19.4R	40.1	21.9 R	12.4	7.05	3.07	17.5R	1968
1969	1.66	1.65	1.79	75.7	49.9	17.7	76.9	107	55.3	43.4	18.5	13.7	38.9	1969
1970	5.42	5.24	4.47	93.0	52.9	43.5	24.8	16.1	6.56	6.32	4.31	2.16	22.0	1970
1971	1.80	1.83	2.22	104	81.1	117	279	55.3	23.9	23.9	13.0	8.77	59.7	1971
1972	5.01	4.24	6.38	180	117	112	111	38.4	20.5	32.3	14.1	7.32	50.7	1972
1973	5.38	5.69	4.97	57.1	97.9	62.5	41.9	34.5	23.1	21.0	14.4	6.92	31.4	1973
1974	5.03	3.76	5.10	309	289	73.8	116	32.3	22.1	17.5	11.7	5.94	74.5	1974
1975	5.01	4.36	3.88	27.2	61.0	28.1	71.4	20.3	25.6	10.2	5.33	3.97	22.3	1975
1976	4.37	4.72	7.92	84.0	29.6	20.4	25.8	32.6	22.3	10.6	6.00	4.62	21.0	1976
1977	4.78	4.30	4.48	46.9	134	144	59.9	46.8	53.3	38.8	12.9	10.2	46.9	1977
1978	7.54	6.68	18.3	66.2	61.3	98.7	76.3	26.2	70.0	40.5	18.9	12.6	42.0	1978
1979	6.79	5.01	37.7	102	116	74.4	101	32.0	13.9	12.7	9.66	6.11	43.4	1979
1980	4.65	4.16	4.48	83.9	47.2	237	135	57.2	60.1	37.1	20.8	15.5	58.8	1980
1981	10.6	8.39	31.4	65.4	53.3	65.4	35.5	37.1	11.8	10.9	8.54	4.38	28.6	1981
1982	2.01	1.11	4.00	93.8	105	39.1	202	42.9	34.6	28.4	12.6	9.14	48.3	1982
MEAN	4.70	4.04 R	8.45R	80.7 R	83.9	68.0R	81.6R	36.2	27.7 R	21.1	11.6	7.05	39.6	MEAN

LOCATION - LAT 54 27 05 N DRAINAGE AREA, 13 100 km²
LONG 113 59 30 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	186 AT 10:30 MST ON JUL 3	182 B ON APR 12	---	---	1958
1959	119 AT 06:00 MST ON JUL 2	114 ON JUL 2	---	---	1959
1960	191 AT 21:00 MST ON JUL 6	186 ON JUL 6	---	---	1960
1961	73.3 AT 13:00 MST ON AUG 4	70.2 ON AUG 4	---	---	1961
1962	---	146 ON APR 22	0.793B ON APR 2	974 000	1962
1963	---	351 ON APR 21	0.816B ON NOV 18	891 000	1963
1964	215 AT 09:00 MST ON MAY 11	211 ON MAY 11	1.21 B ON JAN 1	862 000	1964
1965	---	549 ON JUL 4	3.57 B ON FEB 15	2 680 000	1965
1966	243 AT 04:00 MST ON AUG 10	240 ON AUG 10	4.25 B ON FEB 3	1 120 000	1966
1967	---	167 B ON APR 29	0.680B ON DEC 28	622 000	1967
1968	64.3 AT 01:00 MST ON AUG 12	63.7 ON AUG 12	0.538B ON FEB 20 *	553 000R	1968
1969	394 AT 16:34 MST ON AUG 10	385 ON AUG 10	1.56 B ON JAN 9	1 220 000	1969
1970	---	280 B ON APR 15	1.56 B ON NOV 30	696 000	1970
1971	518 AT 22:30 MST ON JUL 16	518 ON JUL 16	1.53 B ON JAN 13	1 880 000	1971
1972	479 AT 00:30 MST ON JUL 1	470 ON JUL 1	4.08 B ON MAR 11	1 600 000	1972
1973	130 AT 23:00 MST ON MAY 10	126 ON MAY 11	3.96 B ON MAR 22	990 000	1973
1974	983 A AT 12:15 MST ON APR 24 *	974 A ON APR 24 *	3.34 B ON FEB 4	2 350 000	1974
1975	---	183 A ON JUL 3	3.11 B ON DEC 19	704 000	1975
1976	---	156 B ON APR 8	3.34 B ON JAN 1	665 000	1976
1977	411 AT 15:30 MST ON JUN 3	408 ON JUN 3	2.28 B ON FEB 5	1 480 000	1977
1978	214 AT 01:50 MST ON JUL 16	210 ON JUL 15	5.24 B ON MAR 8	1 320 000	1978
1979	258 AT 03:40 MST ON APR 27	251 ON APR 27	3.21 B ON FEB 8	1 370 000	1979
1980	565 AT 15:00 MST ON JUN 10	560 ON JUN 10	2.96 B ON MAR 12	1 860 000	1980
1981	---	147 B ON APR 6	2.05 B ON DEC 31	904 000	1981
1982	---	457 ON JUL 9	0.830B ON FEB 14	1 520 000	1982
MEAN				1 250 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	16.9	19.0	19.4	8.67	8.89	---	---	---	---	---	1956
1957	---	---	---	15.1	30.0	16.7	13.4	14.4	13.6	---	---	---	---	1957
1958	---	---	2.39	19.1	47.3	29.9	34.9	6.99	5.32	4.12	---	---	18.8	1958
1959	---	---	1.33	7.43	21.9	51.6	19.0	7.86	9.55	11.2	---	---	16.1	1959
1960	---	---	3.20	14.6	40.4	32.1	38.4	7.19	5.75	6.17	---	---	18.0	1960
1961	---	---	2.06	3.75	21.4	9.70	17.9	14.2 R	4.23	5.70R	---	---	9.92R	1961
1962	---	---	1.81	25.1	31.3	18.9	24.4	19.6	21.9	8.92	---	---	19.0	1962
1963	---	---	2.70	48.2	46.3	18.1	9.93	4.99	6.01	3.65	---	---	17.4	1963
1964	---	---	1.83	5.66	50.8	33.9	36.8	16.6	53.8	28.6	---	---	27.2	1964
1965	---	---	2.42	25.2	62.0	98.6	118	16.7	34.8	16.1	---	---	46.6	1965
1966	---	---	1.93	10.3	36.5	19.7	40.9	70.6	21.0	13.6	---	---	26.9	1966
1967	---	---	1.93	11.9	36.2	34.6	11.6	6.46	3.23	3.46	---	---	13.5	1967
1968	---	---	4.52R	6.58R	31.9	21.5	20.6	32.2	14.5	7.49	---	---	17.4 R	1968
1969	---	---	1.69	22.6	20.6	17.0	59.6	73.1	26.4	20.5	---	---	30.3	1969
1970	---	---	2.77	7.97	29.5	33.8	14.1	8.18	5.10	4.14	---	---	13.2	1970
1971	---	---	1.80	25.1	28.8	75.0	92.6	12.4	7.21	8.69	---	---	31.5	1971
1972	---	---	2.62	11.7	50.5	96.1	83.8	17.1	13.2	23.7	---	---	32.2	1972
1973	---	---	3.45	28.6	68.3	25.3	16.8	20.4	9.42	8.01	---	---	22.6	1973
1974	---	---	3.00	41.9	85.7	24.4	30.8	12.7	10.5	10.2	---	---	27.4	1974
1975	---	---	1.92	8.77	24.0	16.3	23.2	7.34	5.88	3.44	---	---	11.4	1975
1976	---	---	2.47	18.9	15.5	17.2	15.1	27.0	10.5	5.98	---	---	14.0	1976
1977	---	---	2.11	9.70	88.4	82.6	22.4	28.3	36.2	15.9	---	---	30.7	1977
1978	---	---	3.47	13.8	37.0	61.7	36.4	13.0	39.3	15.4	---	---	27.4	1978
1979	---	---	3.77	9.74	38.7	24.6	14.0	6.88	4.46	5.02	---	---	13.4	1979
1980	---	---	2.06	27.3	28.9	149	69.1	30.4	34.3	14.3	---	---	44.2	1980
1981	---	---	4.04	11.3	33.1	28.7	26.9	18.5	7.33	6.61	---	---	17.1	1981
1982	---	---	1.89	8.16	31.1	21.0	120	15.5	15.4	21.7	---	---	29.5	1982
MEAN	---	---	2.53R	16.9 R	39.1	38.5	35.7	19.2 R	16.1	10.9 R	---	---	23.0	MEAN

LOCATION - LAT 53 07 47 N DRAINAGE AREA, 2 900 km²
LONG 115 19 30 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.9B ON APR 22	---	---	1956
1957	---	83.0 ON MAY 2	---	---	1957
1958	---	170 E ON JUN 30	2.18 B ON MAR 22	397 000	1958
1959	134 AT 11:30 MST ON JUN 28	126 ON JUN 28	0.623B ON MAR 1 *	342 000	1959
1960	114 AT 19:30 MST ON JUL 3	112 ON JUL 3	1.42 B ON MAR 1	380 000	1960
1961	---	73.9 ON JUL 31	1.67 B ON MAR 12	210 000R	1961
1962	---	60.6 ON MAY 21	1.13 B ON MAR 1	401 000	1962
1963	---	116 ON APR 30	2.07 B ON MAR 24	369 000	1963
1964	---	190 ON MAY 8	0.765B ON MAR 21	576 000	1964
1965	---	374 ON JUN 1	1.73 B ON MAR 25	987 000	1965
1966	---	260 ON AUG 6	1.70 B ON MAR 1	571 000	1966
1967	---	63.4 ON JUN 10	1.56 B ON MAR 16	287 000	1967
1968	---	58.9 ON AUG 1	3.26 RB ON MAR 16	369 000R	1968
1969	565 AT 13:08 MST ON AUG 7	496 ON AUG 7	1.42 B ON MAR 11	642 000	1969
1970	182 AT 10:34 MST ON JUN 17	168 ON JUN 17	2.27 B ON OCT 29	279 000	1970
1971	247 AT 21:00 MST ON JUL 12	243 ON JUL 12	1.78 B ON MAR 1	667 000	1971
1972	612 A AT 24:00 MST ON JUN 26	541 A ON JUN 26	1.50 B ON MAR 1	682 000	1972
1973	92.9 AT 22:40 MST ON MAY 16	85.2 ON MAY 7	3.11 B ON MAR 1	477 000	1973
1974	141 AT 13:30 MST ON APR 29	140 ON APR 29	2.83 B ON MAR 1	581 000	1974
1975	76.2 AT 22:00 MST ON JUN 30	74.5 ON JUN 30	1.33 B ON APR 7	241 000	1975
1976	57.2 AT 04:00 MST ON AUG 18	54.9 ON AUG 18	2.32 B ON MAR 1	297 000	1976
1977	208 AT 21:00 MST ON MAY 30	192 ON MAY 31	2.10 B ON MAR 10	650 000	1977
1978	135 AT 00:30 MST ON JUL 13	118 ON JUL 13	2.37 B ON MAR 1	579 000	1978
1979	69.2 AT 01:40 MST ON MAY 2	51.5 ON MAY 19	2.07 B ON MAR 1	284 000	1979
1980	631 ON JUN 6 *	589 A ON JUN 6 *	1.91 B ON MAR 1	934 000	1980
1981	87.5 AT 11:50 MST ON JUL 31	82.3 ON JUL 31	2.75 B ON MAR 1	362 000	1981
1982	394 AT 17:10 MST ON JUL 6	381 ON JUL 6	1.86 B ON APR 1	624 000	1982
MEAN				488 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980

PEMBINA RIVER NEAR DAPP - STATION NO. 07BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	1931
MEAN	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 21 20 N DRAINAGE AREA, 12 100 km²
LONG 114 00 40 W NATURAL FLOW

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	132	44.0	8.82	8.97	7.85	4.25	1.67	---	1914
1915	1.13	0.832	1.87	14.4	11.8	133	138	25.5	12.2	13.4	6.17	2.20	30.2	1915
1916	1.34	1.24	1.92	12.5	28.5	30.3	67.2	26.5	22.9	18.0	10.7	3.55	18.8	1916
1917	2.46	2.02	1.70	11.3	177	72.1	30.7	11.9	11.6	11.8	8.10	3.40	28.9	1917
1918	3.55	2.39	2.32	34.0	35.7	28.9	24.0	10.6	7.57	7.64	4.23	2.25	13.6	1918
1919	1.22	0.449	0.372	10.3	12.0	14.7	4.89	7.09	48.8	9.92	7.49	4.12	10.1	1919
1920	2.76	1.78	1.08	5.53	194	55.4	17.6	18.5	10.1	9.80	3.86	0.970	27.0	1920
1921	1.89	3.49	3.80	34.9	84.1	31.3	16.2	14.3	8.74	6.95	4.71	3.31	17.9	1921
1922	1.46	0.082	0.028	11.5	40.6	9.18	12.4	7.63	5.25	4.33	3.62	0.841	8.15	1922
1923	0.276	0.152	---	---	---	---	---	---	---	---	---	---	---	1923
1954	---	---	---	---	---	---	---	---	---	---	15.5	6.56	---	1954
1955	2.22	2.68	3.35	27.8	86.7	40.3	18.8	9.52	4.49	5.23	1.93	1.15	17.1	1955
1956	1.22	2.92	2.71	27.1	26.0	27.3	12.5	12.3	8.90	4.49	3.74	2.23	10.9	1956
1957	1.81	1.67	1.35	19.4	39.6	17.8	13.4	14.6	14.1	12.9	11.0	6.88	12.9	1957
1958	2.10	3.57	7.33	33.2	43.5	39.9	38.5	6.88	4.41	3.37	2.28	1.82	15.6	1958
1959	1.07	0.522	1.93	8.37	19.5	54.2	24.7	9.40	13.8	13.4	6.21	4.18	13.1	1959
1960	2.69	2.68	8.43	18.7	56.2	36.2	50.1	7.21	6.43	6.33	3.19	1.37	16.7	1960
1961	1.12	1.57	1.16	5.88	25.5	10.8	13.0	17.9 R	4.81R	6.25R	4.55	1.87	7.93R	1961
1962	1.88	1.50	1.82	38.1	48.6	29.3	29.8	29.1	27.0	11.8	9.48	7.60	19.7	1962
1963	2.18	1.83	2.65	58.0	67.4	23.3	13.1	5.71	5.73	4.94	2.71	1.39	15.8	1963
1964	1.63	2.13	1.84	7.06	64.7	39.3	39.3	22.0	65.4	38.8	10.2	3.68	24.7	1964
1965	1.03	2.10	2.32	49.3	80.3	132	173	14.5	27.7	14.1	6.20	3.75	42.4	1965
1966	2.20	2.97	4.40	17.7	45.7	25.0	46.5	80.8	27.1	13.9	3.94	5.81	23.2	1966
1967	3.21	2.42	3.85	12.6	52.7	45.9	10.5	8.49	4.03	4.40	3.64	1.25	12.8	1967
1968	1.04	0.947R	6.28 R	7.55R	32.9R	24.8	22.0	38.7	18.7	10.9	5.27	2.99	14.4 R	1968
1969	1.62	0.969	1.14	34.5	30.5	17.8	70.6	88.6	34.9	27.1	11.1	8.10	27.5	1969
1970	2.48	1.96	3.11	14.4	34.1	37.6	15.2	8.85	5.54	5.30	2.32	2.03	11.1	1970
1971	1.94	2.31	2.57	45.7	38.4	90.3	145	13.8	7.64	10.5	6.50	3.17	30.8	1971
1972	2.01	1.84	2.53	22.9	66.8	121	52.8	20.0	13.9	24.4	10.5	6.91	28.8	1972
1973	4.43	3.63	3.99	39.4	82.4	34.3	24.8	25.9	12.2	10.8	6.67	3.98	21.2	1973
1974	3.14	3.43	3.63	79.8	125	35.0	49.8	15.8	11.8	10.1	5.41	2.82	29.0	1974
1975	2.53	2.79	2.53	9.73	35.9	22.8	35.2	9.27	7.93	4.72	2.32	1.99	11.5	1975
1976	2.50	2.36	2.48	26.4	20.7	18.4	18.5	29.1	12.4	6.33	3.55	3.17	12.2	1976
1977	2.54	2.20	2.13	12.6	112	61.2	26.8	28.4	39.9	20.2	5.03	4.09	26.6	1977
1978	3.22	2.83	5.01	19.3	49.2	81.3	56.3	17.8	45.4	21.0	10.1	5.86	26.5	1978
1979	2.88	2.19	7.41	27.1	51.9	33.4	24.5	11.9	5.49	7.01	3.87	3.15	15.1	1979
1980	2.73	2.37	2.38	38.2	38.9	210	88.8	36.0	41.9	20.1	8.70	5.15	41.1	1980
1981	3.99	2.98	6.56	14.4	41.6	40.0	29.1	24.4	8.57	8.07	6.00	1.85	15.7	1981
1982	1.54	1.83	2.11	18.3	47.0	27.5	175	20.8	20.4	23.6	7.41	3.49	29.4	1982
MEAN	2.14	2.04 R	3.06 R	24.1 R	56.9R	50.9	45.2	20.5 R	17.2 R	11.9 R	6.12	3.44	20.2	MEAN

LOCATION - LAT 53 36 18 N DRAINAGE AREA, 4 420 km²
LONG 115 00 14 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	490 ON JUN 9	---	---	1914
1915	---	459 ON JUN 29	0.255B ON FEB 2	953 000	1915
1916	---	206 ON JUL 4	1.08 B ON FEB 6	595 000	1916
1917	---	379 ON MAY 19	1.56 B ON FEB 23	912 000	1917
1918	---	73.6 ON APR 17	0.821B ON DEC 30	430 000	1918
1919	---	141 ON SEP 6	0.142B ON MAR 8	317 000	1919
1920	---	311 E ON MAY 9	0.283B ON DEC 26	853 000	1920
1921	---	110 ON MAY 17	0.311B ON JAN 5	564 000	1921
1922	---	77.9 ON MAY 18	0 B ON FEB 13 *	257 000	1922
1923	---	---	0 B ON JAN 16	---	1923
1954	---	---	---	---	1954
1955	---	144 ON MAY 24	0.595B ON DEC 29	539 000	1955
1956	---	74.5B ON APR 23	0.481B ON JAN 5	386 000	1956
1957	---	115 ON MAY 2	0.651B ON MAR 9	408 000	1957
1958	---	202 ON JUN 30	0.481B ON NOV 25	493 000	1958
1959	136 AT 03:00 MST ON JUN 29	123 ON JUN 19	0.340B ON FEB 22	413 000	1959
1960	---	152 ON JUL 3	0.566B ON DEC 19	529 000	1960
1961	---	98.5 ON JUL 31	0.311B ON MAR 22	250 000R	1961
1962	---	88.3 ON AUG 8	1.08 B ON FEB 6	622 000	1962
1963	---	178 ON MAY 1	0.606B ON DEC 6	498 000	1963
1964	---	236 ON MAY 8	0.640B ON MAR 25	782 000	1964
1965	---	564 ON JUL 12	0.538B ON MAR 6	1 380 000	1965
1966	268 AT 11:00 MST ON AUG 7	255 ON AUG 7	1.27 B ON JAN 27	733 000	1966
1967	89.8 AT 12:00 MST ON JUN 11	85.5 ON JUN 12	0.850 ON DEC 15	403 000	1967
1968	66.0 AT 15:11 MST ON AUG 8	64.6 ON AUG 8	0.708B ON FEB 5	456 000R	1968
1969	549 AT 05:06 MST ON AUG 8	447 ON AUG 8	0.850B ON FEB 18	866 000	1969
1970	203 AT 01:27 MST ON JUN 18	175 ON JUN 18	1.27 B ON NOV 29	350 000	1970
1971	439 AT 18:00 MST ON JUL 11	430 ON JUL 12	1.70 B ON JAN 24	972 000	1971
1972	697 AT 17:00 MST ON JUN 27	663 ON JUN 27	1.16 B ON MAR 3	910 000	1972
1973	105 AT 03:00 MST ON MAY 8	103 ON MAY 8	2.56 B ON DEC 17	667 000	1973
1974	227 AT 03:10 MST ON APR 28	221 ON APR 28	2.35 B ON DEC 30	915 000	1974
1975	124 AT 01:00 MST ON JUL 1	123 ON JUL 1	1.37 B ON NOV 19	364 000	1975
1976	59.7 AT 01:40 MST ON AUG 19	57.5 ON AUG 19	2.12 B ON NOV 23	385 000	1976
1977	314 AT 11:20 MST ON MAY 31	306 ON MAY 31	1.74 B ON MAR 2	839 000	1977
1978	192 AT 16:20 MST ON JUL 13	182 ON JUL 13	2.10 B ON JAN 16	837 000	1978
1979	70.7 AT 23:10 MST ON MAY 2	68.8 ON MAY 12	1.36 B ON JAN 26	478 000	1979
1980	782 AT 03:50 MST ON JUN 7 *	715 ON JUN 6 *	2.10 B ON MAR 4	1 300 000	1980
1981	96.1 AT 06:25 MST ON AUG 1	92.0 ON AUG 1	1.37 B ON DEC 26	495 000	1981
1982	593 AT 04:25 MST ON JUL 7	566 ON JUL 7	1.41 B ON JAN 1	928 000	1982
MEAN				639 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	1.20	4.27	6.47	---	---	---	---	---	1967
1968	---	---	---	---	---	---	5.08	4.34	1.87	---	---	---	---	1968
1969	---	---	---	---	---	3.98	3.96	---	---	---	---	---	---	1969
1970	---	---	---	---	---	4.54	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	1.99	5.39	8.70	1.12	---	---	---	---	1971
1972	---	---	---	---	0.157	3.55	4.80	6.15	1.29	---	---	---	---	1972
1973	---	---	---	---	---	2.03	4.70	4.67	2.37	---	---	---	---	1973
1974	---	---	---	---	---	3.58	5.66	6.07	3.41	---	---	---	---	1974
1975	---	---	---	---	---	1.17	5.97	---	0.777	---	---	---	---	1975
1976	---	---	---	---	---	1.09	3.50	---	---	---	---	---	---	1976
1977	---	---	---	---	---	2.50	3.73	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.157	2.56	4.71	6.07	1.81	---	---	---	---	MEAN

LOCATION - LAT 51 41 37 N DRAINAGE AREA, 23.6 km²
LONG 116 32 08 W NATURAL FLOW

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	9.71 ON AUG 14	---	---	1967
1968	17.4 AT 21:52 MST ON JUL 11	12.4 ON JUL 12	---	---	1968
1969	16.1 AT 15:40 MST ON JUN 20	9.88 ON JUN 20	---	---	1969
1970	---	12.3 ON AUG 26	---	---	1970
1971	31.1 AT 19:20 MST ON AUG 6 *	16.9 ON AUG 2 *	---	---	1971
1972	14.6 AT 00:30 MST ON AUG 30	10.0 ON AUG 7	---	---	1972
1973	---	8.13 ON JUL 21	---	---	1973
1974	13.0 AT 14:00 MST ON AUG 5	10.9 ON AUG 5	---	---	1974
1975	---	10.2 ON JUL 15	---	---	1975
1976	14.5 AT 20:00 MST ON AUG 15	8.75 ON AUG 16	---	---	1976
1977	15.5 AT 21:30 MST ON AUG 13	8.47 ON AUG 13	---	---	1977
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.628	0.290	0.147	0.021	---	1975
1976	0.001	0	0	0.610	0.372	0.242	0.353	0.211	0.129	---	0.048	0	---	1976
1977	0	0	0	0.227	---	0.307	0.639	0.158	0.134	0.316	0.083	0.002	---	1977
MEAN	0.001	0	0	0.419	0.372	0.275	0.496	0.185	0.297	0.303	0.093	0.008	---	MEAN

LOCATION - LAT 57 27 55 N DRAINAGE AREA, 123 km²
LONG 111 39 14 W NATURAL FLOW

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	1.19B ON APR 15	0B ON JAN 7 *	---	1976
1977	2.72 AT 21:17 MST ON JUL 5 *	1.57 ON JUL 5 *	0B ON JAN 1	---	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05FA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.681	0.416	0.100	---	---	---	1974
1975	---	---	0.019	0.914	0.634	0.361	0.225	0.195	0.103	0.028	---	---	0.308	1975
1976	---	---	0.015	0.353	0.051	0.012	0.001	0.001	0.004	0.001	---	---	0.054	1976
1977	---	---	0.001	0.031	0.207	0.170	0.052	0.002	0.003	0.004	---	---	0.052	1977
1978	---	---	0.147	0.101	0.019	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.046	0.350	0.228	0.181	0.076	0.220	0.132	0.033	---	---	0.138	MEAN

LOCATION - LAT 52 51 05 N DRAINAGE AREA, 383 km²
LONG 113 53 45 W NATURAL FLOW

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05FA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	5.95 B ON APR 21 *	0B ON MAR 1 *	6 520	1975
1976	---	1.56 B ON APR 9	0 ON JUL 17	1 140	1976
1977	1.06 AT 22:45 MST ON JUN 1 *	0.980 ON JUN 1	0 ON JUL 28	1 100	1977
1978	---	---	0B ON MAR 1	---	1978
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 920	MEAN

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.234	0.321	0.089	0.017	0.003	0	0	0	---	---	0.083	1979
1980	---	---	0	0.471	0.004	0.014	0.066	0.195	0.432	0.490	---	---	0.208	1980
1981	---	---	0.522	0.306	0.923	0.815	1.19	2.18	1.84	2.23	---	---	1.20	1981
1982	---	---	0.041	2.45	2.11	1.81	3.26	1.79	1.05	1.46	---	---	1.75	1982
MEAN	---	---	0.199	0.887	0.782	0.664	1.13	1.04	0.731	1.05	---	---	0.810	MEAN

LOCATION - LAT 52 52 10 N DRAINAGE AREA, 377 km²
LONG 113 53 47 W NATURAL FLOW

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.29B AT 12:05 MST ON MAR 18	1.22 ON APR 21	0 B ON MAR 1 *	1 750	1979
1980	1.97B AT 11:15 MST ON APR 8	1.80B ON APR 9	0 B ON MAR 1	6 400	1980
1981	9.50 AT 23:25 MST ON JUL 31	8.62 ON AUG 1	0.003B ON MAR 1	25 500	1981
1982	11.7 AT 16:20 MST ON APR 23 *	11.6 ON APR 23 *	0.022 ON OCT 2	37 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 200	MEAN

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	0.743	1.82	2.12	2.53	2.15	0.889	---	---	---	---	1909
1915	---	---	---	0.511	0.552	0.816	2.69	1.38	0.187	0.100	---	---	---	1915
1916	---	---	---	1.41	2.35	2.84	2.87	0.371	0.166	0.286	---	---	---	1916
1924	---	---	---	---	---	---	0.027	0.074	0.040	0.023	0	0	---	1924
1925	0	0	0	0.160	0.417	0.822	0.346	0.164	0.079	0.104	0.109	0.100	0.192	1925
1926	0.127	0.087	0.286	0.452	0.460	0.942	0.725	0.256	0.351	0.570	0.797	0.804	0.490	1926
1927	0.692	0.804	0.777	0.862	1.23	2.10	2.01	0.234	0.198	1.09	0.924	1.02	0.998	1927
1928	1.11	1.58	1.66	1.53	1.42	1.23	1.23	0.313	0.270	0.790	0.519	0.393	1.00	1928
1929	0.401	0.355	0.473	0.533	0.824	0.658	0.341	0.113	0.010	0.003	0	0	0.309	1929
1930	0	0 R	0	0.001	0.005	0.001	0.017	0.041	0.014	0 R	0	0	0.007R	1930
1931	0	0	0	0	---	---	---	---	---	---	---	---	---	1931
MEAN	0.333	0.404R	0.457	0.620	1.01	1.28	1.28	0.510	0.220	0.330R	0.336	0.331	0.499	MEAN

LOCATION - LAT 52 57 30 N   DRAINAGE AREA, 284 km²
LONG 113 58 10 W   REGULATED

R - REVISED SINCE JAN 1980

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	2.78 ON JUL 10	0 ON APR 1 *	---	1909
1915	---	3.26 ON JUL 20	---	---	1915
1916	---	3.57 ON JUL 17 *	---	---	1916
1924	---	0.227 ON AUG 25	0 ON NOV 1	---	1924
1925	---	0.932 ON JUN 23	0 ON JAN 1	6 060	1925
1926	---	1.23 ON JUN 19	0.068B ON JAN 22	15 400	1926
1927	---	3.28 ON JUL 14	0.139 ON AUG 26	31 500	1927
1928	---	1.78 E ON FEB 10	0.014 ON AUG 28	31 700	1928
1929	---	0.923 ON MAY 25	0 ON SEP 21	9 760	1929
1930	---	0.074 ON AUG 30	0 ON JAN 1	209R	1930
1931	---	---	0 ON JAN 1	---	1931
				15 800R	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED   R - REVISED SINCE JAN 1980

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.615	1.74	1.31	0.231	0.055	1.14	1.49	---	---	---	1910
1911	---	---	---	1.17	6.20	5.92	1.44	1.86	8.72	2.62	---	---	---	1911
1912	---	---	---	2.03	2.39	1.66	1.99	0.516	0.309	0.599	---	---	---	1912
1913	---	---	---	---	4.00	3.63	1.26	0.783	0.381	0.776	---	---	---	1913
1914	---	---	---	1.65	2.83	1.96	0.799	0.595	0.509	2.05	---	---	---	1914
1915	---	---	---	1.57	6.54	9.65	4.75	2.67	1.65	1.95	---	---	---	1915
1916	---	---	---	2.26	3.51	6.20	2.81	0.923	0.663	0.722	---	---	---	1916
1917	---	---	---	1.06	7.53	7.73	1.13	0.241	0.187	0.238	---	---	---	1917
1918	---	---	---	1.09	2.10	1.65	0.406	0.293	0.788	0.484	---	---	---	1918
1919	---	---	0.092	0.742	1.92	0.997	0.166	0.044	0.017	0.326	---	---	0.538	1919
1920	---	---	1.65	1.54	9.96	4.40	1.76	0.276	0.093	0.141	---	---	2.48	1920
1921	---	---	0.150	1.22	2.84	2.51	0.545	0.086	0.215	0.296	---	---	0.978	1921
1922	---	---	0.142	1.07	4.66	3.09	0.990	0.155	0.069	0.126	---	---	1.29	1922
1923	---	---	0.076	0.937	2.88	15.7	2.02	1.13	0.347	0.322	---	---	2.89	1923
1924	---	---	0.300	1.22	2.52	5.44	0.940	1.39	0.434	0.658	---	---	1.60	1924
1925	---	---	0.694	3.73	3.15	2.17	0.397	0.234	0.546	1.80	---	---	1.58	1925
1926	---	---	0.347	1.48	0.883	1.74	0.438	0.207	2.44	2.35	---	---	1.23	1926
1927	---	---	0.712	3.60	12.0	12.9	3.68	1.66	2.60	2.78	---	---	4.97	1927
1928	---	---	1.60	2.56	3.87	5.35	4.30	0.973	0.530	0.577	---	---	2.47	1928
1929	---	---	0.516	1.09	5.01	5.07	0.657	0.155	0.179	0.309	---	---	1.62	1929
1930	---	---	0.928	2.35	4.14	2.95	0.661	0.173	0.166	0.255	---	---	1.45	1930
1931	---	---	0.143	0.371	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.023	0.028	---	---	---	1935
1936	---	---	0.322	1.36	1.63	2.30	---	---	---	---	---	---	---	1936
1965	---	---	---	---	---	---	---	0.415	0.800	0.799	---	---	---	1965
1966	---	---	0.317	1.60	2.97	4.03 R	1.19	0.372	0.293	0.262	---	---	1.37 R	1966
1967	---	---	0.891	1.16	11.0	8.17	1.21	0.123	0.010	0.096	---	---	2.83	1967
1968	---	---	0.278	0.628	2.13	2.63	0.828	0.478	1.69	1.73	---	---	1.29	1968
1969	---	---	0.594	2.99	2.47	7.01	3.25	0.124	0.085	0.249	---	---	2.08	1969
1970	---	---	0.072	0.543	4.28	5.00	0.670	0.037	0.102	0.259	---	---	1.36	1970
1971	---	---	0.159	1.06	3.55	2.88	0.628	0.091	0.163	0.405	---	---	1.11	1971
1972	---	---	1.81	2.80	7.36	4.23	1.80	0.526	0.391	0.561	---	---	2.43	1972
1973	---	---	0.311	0.915	2.08	1.13	0.212	0.034	0.072	0.293	---	---	0.630	1973
1974	---	---	0.856	1.54	3.71	4.49	0.835	0.548	0.234	0.215	---	---	1.55	1974
1975	---	---	0.122	1.26	8.40	10.6	2.21	0.656	0.378	0.532	---	---	3.01	1975
1976	---	---	0.610	1.34	2.83	1.74	0.674	1.10	0.233	0.159	---	---	1.08	1976
1977	---	---	0.103	0.326	0.610	0.334	0.043	0.190	0.305	0.170	---	---	0.259	1977
1978	---	---	0.760	0.789	2.93	2.49	1.55	0.408	0.524	0.260	---	---	1.21	1978
1979	---	---	0.603	1.77	3.93	2.06	0.430	0.258	0.108	0.090	---	---	1.15	1979
1980	---	---	0.174	1.12	3.04	2.48	0.337	0.367	0.820	0.404	---	---	1.09	1980
1981	---	---	0.666	1.25	8.84	4.37	1.27	0.370	0.076	0.171	---	---	2.13	1981
1982	---	---	0.145	0.817	1.41	2.70	0.848	0.088	0.058	0.221	---	---	0.780	1982
MEAN	---	---	0.521	1.45	4.20	4.38 R	1.30	0.528	0.709	0.694	---	---	1.67	MEAN

LOCATION - LAT 49 29 12 N   DRAINAGE AREA, 155 km²
LONG 113 56 49 W   NATURAL FLOW

R - REVISED SINCE JAN 1980

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	2.80 ON MAY 20	---	---	1910
1911	---	30.0 ON SEP 4	---	---	1911
1912	---	4.67 ON APR 11	---	---	1912
1913	---	7.90 ON APR 16	---	---	1913
1914	---	6.06 ON OCT 16	---	---	1914
1915	---	27.6 ON JUN 3	---	---	1915
1916	---	11.2 ON JUL 2	---	---	1916
1917	---	18.1 ON JUN 11	---	---	1917
1918	---	3.09 ON JUN 11	---	---	1918
1919	---	3.82 ON MAY 28	0.003 ON AUG 19	11 400	1919
1920	---	18.6 ON MAY 8	0.031 ON SEP 22	52 600	1920
1921	---	5.21 ON MAY 21	0.001 ON SEP 2 *	20 700	1921
1922	---	9.34 ON MAY 17	0.031 ON SEP 4	27 200	1922
1923	66.5 ON JUN 1	44.2 ON JUN 1	0.042B ON MAR 6	61 200	1923
1924	19.1 AT 12:00 MST ON JUN 7	18.0 ON JUN 7	0.142B ON APR 1	34 000	1924
1925	7.36 AT 08:00 MST ON APR 23	7.08 ON APR 23	0.147 ON AUG 13	33 500	1925
1926	7.76 AT 08:00 MST ON JUN 21	7.08 ON JUN 21	0.130 ON AUG 5	26 000	1926
1927	---	38.2 ON MAY 29	0.147B ON MAR 2	105 000	1927
1928	25.9 AT 08:00 MST ON JUN 18	21.7 ON JUN 18	0.207B ON MAR 1	52 300	1928
1929	23.8 AT 18:00 MST ON JUN 3	21.3 ON JUN 3	0.113 ON SEP 1	34 300	1929
1930	7.36 AT 18:00 MST ON JUN 3	6.94 ON MAY 4	0.076 ON SEP 7	30 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	7.56 ON APR 11	---	---	1936
1965	---	---	---	---	1965
1966	15.7 R AT 20:00 MST ON JUN 4	12.5 R ON JUN 4	0.006B ON MAR 1	29 000R	1966
1967	53.0 AT 20:00 MST ON MAY 17	29.4 ON MAY 17	0.003E ON SEP 6	59 800	1967
1968	8.16 AT 22:03 MST ON SEP 25	6.85 ON SEP 25	0.167 ON MAR 11	27 400	1968
1969	49.8 AT 09:15 MST ON JUN 26	34.5 ON JUN 26	0.042 ON SEP 3	44 100	1969
1970	46.4 AT 17:00 MST ON JUN 13	23.1 ON JUN 13	0.004 ON AUG 27	29 000	1970
1971	6.63 AT 15:30 MST ON MAY 31	6.31 ON MAY 31	0.001 ON AUG 28	23 600	1971
1972	40.2 AT 10:40 MST ON MAY 25	19.5 ON MAY 25	0.031B ON MAR 3	51 500	1972
1973	4.33 AT 21:30 MST ON MAY 18	4.11 ON MAY 18	0.013 ON AUG 28	13 300	1973
1974	24.5 B AT 18:40 MST ON MAR 17	9.97 ON MAY 1	0.054B ON MAR 3	32 700	1974
1975	172 AT 02:20 MST ON JUN 20 *	82.4 ON JUN 20 *	0.088B ON MAR 1	63 700	1975
1976	---	4.36 ON MAY 11	0.133 ON OCT 30	22 900	1976
1977	0.818 AT 14:30 MST ON MAY 11	0.767 ON MAY 12	0.005E ON JUL 24	5 490	1977
1978	7.36 AT 21:40 MST ON MAY 31	4.64 ON JUN 1	0.051B ON MAR 3	25 700	1978
1979	5.43 AT 01:40 MST ON MAY 17	5.08 ON MAY 27	0.013B ON MAR 3	24 400	1979
1980	33.7 AT 17:30 MST ON MAY 26	22.0 ON MAY 26	0.063 ON AUG 2	23 100	1980
1981	71.3 AT 08:10 MST ON MAY 22	38.7 ON MAY 22	0.028 ON SEP 19	45 100	1981
1982	4.30 AT 03:20 MST ON JUN 7	3.87 ON JUN 7	0.006 ON SEP 11	16 500	1982
				35 400R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	1.36	0.235	0.440	2.15	0.197	0.019	---	---	---	---	1981
1982	---	---	---	1.82	0.485	0.083	0.390	0.277	0.098	0.035	---	---	0.452	1982
MEAN	---	---	---	1.59	0.360	0.262	1.27	0.237	0.059	0.035	---	---	0.452	MEAN

LOCATION - LAT 54 37 00 N
LONG 113 00 48 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	16.9 AT 07:30 MDT ON JUL 21 *	13.3 ON JUL 21 *	0 ON AUG 26 *	---	1981
1982	8.01 AT 18:01 MST ON APR 20	5.46B ON APR 22	0B ON APR 1	8 360	1982
				8 360	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	0.243	0.344	0.059	---	---	---	1966
1967	---	---	0	1.83	7.46	1.29	0.320	0.042	0	0	---	---	1.37	1967
1968	---	---	0.672	0.452	0.311	0.061	0.002	0.002	0.008	0.014	---	---	0.190	1968
1969	---	---	0	5.72	1.04	0.337	0.010	0.053	0.171	0.382	---	---	0.950	1969
1970	---	---	0.107	6.92	1.48	0.395	5.38	5.28	2.02	1.61	---	---	2.90	1970
1971	---	---	0.721	19.1	9.43	5.94	17.8	5.73	4.26	3.61	---	---	8.31	1971
1972	---	---	0	11.5	12.5	2.76	0.838	0.653	0.073	0.373	---	---	3.58	1972
1973	---	---	0.512	1.63	2.77	3.20	2.06	1.90	1.35	2.16	---	---	1.94	1973
1974	---	---	0.033	27.7	18.2	4.58	4.88	2.42	1.78	---	---	---	---	1974
1975	---	---	0.014	3.59	4.81	2.61	6.79	3.68	6.54	2.15	---	---	3.77	1975
1976	---	---	0.349	5.40	1.87	0.857	1.34	0.474	0.376	0.696	---	---	1.41	1976
1977	---	---	0.028	4.64	3.56	2.44	0.916	1.25	1.83	2.34	---	---	2.12	1977
1978	---	---	0.558	7.15	3.67	6.61	2.56	3.01	13.7	7.34	---	---	5.53	1978
1979	---	---	0.415	10.7	11.1	6.25	8.79	5.57	2.89	1.67	---	---	5.91	1979
1980	---	---	0.011	0.699	0.099	0.349	0.743	1.62	1.90	1.78	---	---	0.900	1980
1981	---	---	2.00	4.40	0.449	1.80	3.43	0.818	0.123	0.159	---	---	1.64	1981
1982	---	---	0	3.86	0.860	0.088	1.16	0.985	0.446	0.287	---	---	0.954	1982
MEAN	---	---	0.339	7.21	4.98	2.47	3.56	1.98	2.22	1.54	---	---	2.76	MEAN

LOCATION - LAT 54 49 10 N DRAINAGE AREA, 1 450 km²
LONG 112 46 30 W NATURAL FLOW

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	27.5 AT 20:00 MST ON MAY 2	27.3 ON MAY 2	0 B ON MAR 1 *	29 100	1967
1968	---	1.05B ON MAR 29	0 ON JUN 25	4 030	1968
1969	21.6 AT 04:03 MST ON APR 15	20.8 ON APR 15	0 B ON MAR 1	20 100	1969
1970	---	21.7 B ON APR 14	0.028B ON MAR 1	61 200	1970
1971	73.6 AT 11:00 MST ON APR 21	71.6 ON APR 21	0.382B ON OCT 31	176 000	1971
1972	27.9 AT 09:30 MST ON APR 29	27.5 ON APR 29	0 B ON MAR 1	75 900	1972
1973	---	8.50E ON JUN 20	0.006B ON MAR 1	41 200	1973
1974	87.2 AT 04:00 MST ON APR 20 *	85.5 ON APR 20 *	---	---	1974
1975	---	13.5 B ON APR 21	0.014B ON MAR 1	79 700	1975
1976	7.96B AT 08:00 MST ON APR 7	7.73B ON APR 7	0.031B ON MAR 1	29 900	1976
1977	16.2 B AT 19:30 MST ON APR 9	15.3 B ON APR 10	0.028B ON MAR 1	44 800	1977
1978	31.1 AT 12:30 MST ON SEP 21	30.9 ON SEP 21	0.045B ON MAR 1	117 000	1978
1979	31.6 AT 12:20 MST ON APR 28	31.1 ON APR 28	0.059E ON MAR 1	125 000	1979
1980	2.62B AT 19:00 MST ON APR 9	2.57 ON SEP 28	0.006B ON MAR 1	19 100	1980
1981	---	11.2 B ON MAR 28	0.028B ON MAR 1	34 700	1981
1982	---	10.7 B ON APR 21	0 B ON MAR 1	20 200	1982
MEAN				58 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.30	0.939	0.453	0.158	0.147	0.378	---	---	---	1914
1915	---	---	---	0.402	0.116	0.307	0.209	0.139	0.092	0.068	---	---	---	1915
1916	---	---	---	0.153	0.090	0.189	0.107	0.036	0.015	0.014	---	---	---	1916
1917	---	---	---	---	0.027	0.052	0.004	0.001	0.001	0.243	---	---	---	1917
1918	---	---	---	0.235	0.064	0.053	0.016	0.157	0.216	0.195	---	---	---	1918
1919	---	---	---	0.676	0.163	0.001	0.142	0.624	0.156	0.261	---	---	---	1919
1920	---	---	1.48	1.69	1.42	0.804	2.08	0.100	0.011	1.31	---	---	1.12	1920
1921	---	---	0.153	1.70	0.087	1.59	0.472	0.255	0.390	3.68	---	---	1.04	1921
1922	---	---	0.334	1.43	0.937	0.367	0.051	0.011	0.876	1.72	---	---	0.714	1922
1923	---	---	---	0.480	0.717	6.30	4.99	0.465	3.03	0.209	---	---	---	1923
1924	---	---	---	---	0.248	3.34	0.786	0.105	0.082	---	---	---	---	1924
1925	---	---	0.270	0.398	0.662	0.031	0.023	0.027	0.027	---	---	---	---	1925
1926	---	---	---	---	0.616	0.146	0.143	0.058	0.029	0.768	---	---	---	1926
1927	---	---	0.424	0.520	2.57	1.20	0.530	0.835	2.37	0.554	---	---	1.12	1927
1928	---	---	---	0.554	0.321	0.158	2.51	0.932	0.174	0.192	---	---	---	1928
1929	---	---	2.78	1.17	0.136	0.418	0.057	0.008	0.007	0.273	---	---	0.608	1929
1930	---	---	0.483	0.589	0.310	0.031	0.219	0.042	0.031	0.045	---	---	0.219	1930
1931	---	---	0.200	0.182	0.002	0.009	0	0.100	0.003	0	---	---	0.062	1931
1932	---	---	---	---	2.23	1.36	0.442	0.015	0.084	0.714	---	---	---	1932
1933	---	---	---	0.687	0.445	1.29	0.136	0.018	0.715	0.127	---	---	---	1933
1934	---	---	---	0.806	0.058	0.254	0.170	0.030	0.020	0.837	---	---	---	1934
1935	---	---	---	---	0.195	---	0.022	0.010	0.004	0.191	---	---	---	1935
1936	---	---	---	0.507	0.128	1.96	0.008	0.016	0.005	---	---	---	---	1936
1937	---	---	---	0.237	---	2.30	0.001	0.006	0.033	---	---	---	---	1937
1938	---	---	---	0.205	0.024	0.078	0.206	0	0.010	0.040	---	---	---	1938
1939	---	---	0.556	0.261	0.011	0.091	0.017	0.028	0.034	0.106	---	---	0.138	1939
1940	---	---	0.028	0.043	0.026	0.014	0.017	0.021	0.018	0.124	---	---	0.036	1940
1941	---	---	---	---	0.014	0.007	0.005	0.007	0.012	0.172	---	---	---	1941
1942	---	---	0.537	0.197	0.037	0.021	0.030	0.027	0.036	0.027	---	---	0.114	1942
1943	---	---	---	0.268	0.024	0.003	0.003	0.008	0.025	0.006	---	---	---	1943
1944	---	---	0.005	0.119	0.029	0.006	0.003	---	---	---	---	---	---	1944
1945	---	---	0.180	0.074	0.020	0.008	0	0	0	0.003	---	---	0.036	1945
1946	---	---	0.725	0.551	0.214	0.379	0.217	0.011	0.011	0.085	---	---	0.274	1946
1947	---	---	3.00	0.529	0.134	0.027	0.009	0.409	0.931	0.073	---	---	0.642	1947
1948	---	---	1.18	2.85	1.29	1.63	0.086	0.076	0.061	0.049	---	---	0.895	1948
1949	---	---	0.223	0.138	0.011	0.032	0.006	0.006	0.001	0.228	---	---	0.081	1949
1950	---	---	0.888	0.992	0.012	0.013	0.002	0.008	0.006	1.68	---	---	0.452	1950
MEAN	---	---	0.747	0.621	0.408	0.706	0.383	0.132	0.268	0.449	---	---	0.472	MEAN

LOCATION - LAT 49 19 57 N DRAINAGE AREA, 207 km²
LONG 113 03 52 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1950

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	5.18 ON APR 28	0 ON APR 27 *	---	1915
1916	---	0.708B ON MAR 21	0 ON AUG 17	---	1916
1917	---	---	0 ON JUL 15	---	1917
1918	---	1.56 ON OCT 16	---	---	1918
1919	---	---	0 ON JUN 5	---	1919
1920	20.3 E AT 14:00 MST ON JUL 16	8.75 E ON JUL 18	0 B ON MAR 1	23 600	1920
1921	---	19.8 E ON JUN 18	0 B ON MAR 7	22 000	1921
1922	21.5 AT 17:30 MST ON JUN 25	7.84 ON APR 22	0 B ON MAR 1	15 100	1922
1923	12.0 AT 05:00 MST ON JUN 22	11.5 ON JUN 2	0.011 ON APR 21	---	1923
1924	---	---	0 ON MAY 31	---	1924
1925	9.46 AT 17:00 MST ON OCT 11	6.88 ON OCT 11	0 B ON MAR 1	---	1925
1926	15.8 AT 17:30 MST ON MAY 15	4.81 ON MAY 15	---	---	1926
1927	18.5 AT 21:30 MST ON MAY 21	17.2 ON MAY 21	0.028B ON APR 19	23 800	1927
1928	19.1 AT 20:00 MST ON JUN 30	13.1 ON JUL 1	---	---	1928
1929	9.32B AT 18:30 MST ON MAR 10	6.34 B ON MAR 10	0.003 ON JUN 27	12 900	1929
1930	3.91A AT 08:30 MST ON APR 2	3.14 A ON APR 2	0 B ON MAR 1	4 630	1930
1931	5.52 AT 16:00 MST ON AUG 29	1.90 ON AUG 29	0 ON APR 25	1 310	1931
1932	25.7 AT 21:00 MST ON MAY 21	12.4 ON MAY 24	0 ON JUL 28	---	1932
1933	25.5 AT 06:30 MST ON JUN 27	20.7 ON JUN 26	0.003 ON AUG 9	---	1933
1934	8.72 AT 11:45 MST ON OCT 20	6.34 ON OCT 21	0 ON MAR 28	---	1934
1935	---	---	0 ON AUG 14	---	1935
1936	25.5 AT 21:30 MST ON JUN 5	24.2 ON JUN 6	0 B ON APR 1	---	1936
1937	48.7 AT 13:00 MST ON JUN 13	38.8 ON JUN 13 *	0 ON MAY 4	---	1937
1938	21.8 AT 21:30 MST ON JUL 5	3.79 ON JUL 6	0 A ON MAY 11	---	1938
1939	3.96 AT 01:00 MST ON MAR 20	3.11 ON MAR 18	0 ON MAR 1	2 930	1939
1940	4.81 AT 20:00 MST ON OCT 29	1.98 ON OCT 30	0.006 ON JUN 17	770	1940
1941	---	---	---	---	1941
1942	---	2.27 B ON MAR 15	0 B ON MAR 1	2 420	1942
1943	---	---	0 ON JUN 10	---	1943
1944	---	---	0 B ON MAR 1	---	1944
1945	---	1.47 B ON MAR 17	0 B ON MAR 1	755	1945
1946	3.28B AT 18:00 MST ON MAR 13	3.11 ON MAY 29	0.003 ON MAY 25	5 790	1946
1947	34.0 ON MAR 17	16.0 ON MAR 17	0 A ON MAR 1	13 600	1947
1948	56.1 AT 03:00 MST ON APR 17 *	25.6 ON JUN 17	0 B ON MAR 1	18 900	1948
1949	4.53 AT 17:00 MST ON OCT 23	2.44 ON OCT 23	0 B ON MAR 1	1 710	1949
1950	19.4 AT 22:45 MST ON APR 1	10.1 ON OCT 21	0 ON JUN 5	9 570	1950
MEAN				9 990	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	0.036R	0.027R	0.058R	---	---	---	1979
1980	---	---	0.003	5.23	0.725	0.714	1.24	1.24	3.36	1.31	---	---	1.71	1980
1981	---	---	3.34	1.60	0.740	0.326	0.244	1.21	0.231	0.077	---	---	0.974	1981
1982	---	---	0	8.98	5.86	2.01	5.22	0.533	0.210	0.248	---	---	2.87	1982
MEAN	---	---	1.11	5.27	2.44	1.02	2.23	0.755R	0.957R	0.423R	---	---	1.85	MEAN

LOCATION - LAT 53 02 25 N DRAINAGE AREA, 1 010 km²
LONG 113 21 54 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	11.7B AT 00:02 MST ON APR 5	10.2 B ON APR 6	0.001B ON MAR 1	36 300	1980
1981	10.4 AT 19:30 MST ON MAR 19	6.60B ON MAR 17	0.014 ON OCT 23	20 600	1981
1982	45.4 AT 12:20 MST ON APR 24 *	41.4 B ON APR 25 *	0 B ON MAR 1 *	60 800	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		39 200	MEAN

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	8.11	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	8.11	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 04 48 N DRAINAGE AREA, 299 km²
LONG 113 27 55 W NATURAL FLOW

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	37.7 ON APR 13 *	0B ON APR 1 *	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05FA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.604	5.32	1.56	0.567	0.153	0.480	0.156	0.146	---	---	1.11	1972
1973	---	---	0.670	4.09	1.34	1.27	3.92	1.74	0.500	0.500	---	---	1.75	1973
1974	---	---	0.041	27.3	12.0	2.44	4.01	0.699	0.721	0.531	---	---	5.92	1974
1975	---	---	0.006	2.00	2.97	0.775	0.094	0.055	0.024	0.017	---	---	0.741	1975
1976	---	---	0.085	1.14	0.149	0.047	0.018	0.006	0.014	0.019	---	---	0.182	1976
1977	---	---	0.029	0.047	0.418	0.297	0.005	0.288	0.024	0.036	---	---	0.143	1977
1978	---	---	0.371	0.433	0.095	0.029	0.011	0.038	0.716	0.493	---	---	0.272	1978
1979	---	---	3.82	3.80	2.20	0.460	0.458	0.044	0.024	0.051	---	---	1.36	1979
MEAN	---	---	0.703	5.52	2.59	0.736	1.08	0.419	0.272	0.224	---	---	1.43	MEAN

LOCATION - LAT 53 02 12 N DRAINAGE AREA, 1 030 km²
LONG 113 19 25 W NATURAL FLOW

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05FA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	14.2 B ON APR 7	0 B ON MAR 1 *	23 600	1972
1973	18.5 A AT 01:00 MST ON JUL 2	15.8 A ON JUL 2	0.006B ON MAR 1	37 100	1973
1974	98.0 AT 12:20 MST ON APR 23 *	96.0 ON APR 23 *	0.040B ON MAR 1	125 000	1974
1975	---	8.86B ON APR 23	0.004 ON JUL 20	15 700	1975
1976	---	4.96B ON APR 6	0.001 ON SEP 25	3 860	1976
1977	23.0 AT 06:00 MST ON MAY 29	3.91 ON MAY 29	0.003E ON JUL 16	3 030	1977
1978	5.32B AT 08:30 MST ON MAR 29	3.37B ON MAR 29	0.007 ON AUG 2	5 760	1978
1979	12.8 B AT 20:00 MST ON MAR 20	10.1 B ON MAR 20	0.017A ON SEP 17	28 700	1979
				30 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	5.67	2.54	---	---	---	1911
1912	---	0.744	0.394	0.652	7.49	15.8	13.2	14.5	6.36	2.85	4.10	2.73	10.0	1912
1913	1.21	1.07	0.816	1.55	6.95	21.2	15.1	12.9	8.27	3.67	1.78	1.48	11.3	1913
1914	1.10	0.798	0.819	1.04	8.25	19.3	18.1	8.29	4.82	4.26	1.69	1.01	10.5	1914
1915	1.20	0.762	0.954	2.67	6.82	13.5	16.3	13.7	5.34	3.34	2.01	0.936	9.84	1915
1916	0.661	0.678	0.779	0.770	3.84	23.2	22.5	11.9	7.15	3.18	1.60	0.998	11.9	1916
1917	1.06	0.926	0.909	0.789	7.70	13.7	17.0	8.45	4.65	3.89	1.83	1.25	9.23	1917
1918	0.974	0.586	0.411	1.12	6.34	25.5	14.2	9.25	5.68	3.99	1.40	1.18	10.8	1918
1919	1.54	1.15	0.593	1.26	11.1	16.4	11.6	10.4	5.48	2.02	1.56	1.09	9.49	1919
1920	0.904	0.794	0.601	0.579	3.40	14.6	29.4	10.4	5.16	3.55	---	---	11.1	1920
1972	---	---	---	---	---	---	---	---	---	3.27	---	---	---	1972
1973	---	---	---	---	9.17	17.6	13.9	8.06	3.67	2.83	---	---	9.20	1973
1974	---	---	---	---	4.42	27.6	17.3	9.32	4.19	2.42	---	---	10.8	1974
1975	---	---	---	---	3.72	13.0	14.8	7.24	4.24	2.55	---	---	7.57	1975
1976	---	---	---	---	12.6	14.5	22.8	14.4	10.3	4.29	---	---	13.2	1976
1977	---	---	---	---	7.22	16.3	9.32	8.48	5.64	3.2[illegible]	---	---	8.35	1977
MEAN	1.08	0.834	0.697	1.16	7.07	18.0	16.8	10.5	5.77	3.25	2.00	1.33	10.2	MEAN

LOCATION - LAT 51 26 02 N DRAINAGE AREA, 306 km²
LONG 116 10 20 W NATURAL FLOW

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	29.4 ON AUG 24	0.855 ON MAY 2	159 000	1912
1913	---	32.0 ON JUN 10	0.793 ON MAY 4	180 000	1913
1914	---	31.4 ON JUN 17	2.15 ON OCT 29	167 000	1914
1915	---	44.5 ON JUN 26	2.83 ON OCT 15	156 000	1915
1916	---	67.4 ON JUN 19	1.44 ON MAY 1	189 000	1916
1917	---	32.3 ON JUL 4	0.623 ON MAY 4	147 000	1917
1918	---	81.0 ON JUN 14 *	1.67 B ON OCT 30	171 000	1918
1919	---	29.7A ON MAY 27	0.906B ON OCT 24	151 000	1919
1920	---	53.2 ON JUL 1	0.544 ON MAY 1 *	176 000	1920
1972	---	---	---	---	1972
1973	42.5 AT 05:00 MST ON JUN 24	39.6 ON JUN 24	0.708B ON MAY 1	146 000	1973
1974	62.3 AT 22:30 MST ON JUN 24 *	57.2 ON JUN 24	2.04 E ON OCT 31	172 000	1974
1975	33.1 AT 23:30 MST ON JUL 4	25.1 ON JUL 5	1.38 B ON MAY 2	120 000	1975
1976	54.9 AT 04:00 MST ON JUL 1	49.0 ON JUL 1	2.50 B ON OCT 31	209 000	1976
1977	58.3 AT 20:30 MST ON JUN 8	47.3 ON JUN 8	2.79 ON OCT 31	133 000	1977
MEAN				163 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.080	0.705	0.795	0.740	0.570	0.261	---	---	0.524	1972
1973	---	---	---	---	0.376	0.880	0.801	0.590	0.303	0.526	---	---	0.579	1973
1974	---	---	---	---	0.030	0.651	0.857	0.915	0.320	0.548	0.007	---	0.554	1974
1975	---	---	---	---	0.328	0.288	0.695	0.673	0.506	0.359	---	---	0.476	1975
1976	---	---	---	---	0.268	0.634	0.621	0.495	0.494	0.368	---	---	0.479	1976
1977	---	---	---	---	0.231	0.531	0.410	0.330	0.379	0.288	---	---	0.360	1977
1978	---	---	---	---	0.049	0.066	0.564	0.649	0.344	0.288	---	---	0.328	1978
1979	---	---	---	---	0.041	0.539	0.536	0.429	0.228	0.226	---	---	0.332	1979
1980	---	---	---	---	0.297	0.245	0.523	0.349	0.172	0.302	---	---	0.316	1980
1981	---	---	---	---	0.202	0.464	0.664	0.593	0.527	0.441	---	---	0.482	1981
1982	---	---	---	---	0.143	0.511	0.763	0.552	0.501	0.161	---	---	0.438	1982
MEAN	---	---	---	---	0.186	0.501	0.657	0.574	0.395	0.343	0.007	---	0.443	MEAN

LOCATION - LAT 49 49 49 N
LONG 112 45 43 W REGULATED

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.04 ON JUL 19	0 ON MAY 5 *	8 330	1972
1973	---	1.43 A ON JUN 1	0 ON MAY 6	9 220	1973
1974	---	1.65 ON AUG 13	0 ON MAY 6	8 820	1974
1975	---	1.82 ON JUL 30	0 ON OCT 30	7 560	1975
1976	---	1.47 ON AUG 5	0 ON MAY 1	7 620	1976
1977	---	0.864 ON JUN 14	0 ON MAY 1	5 730	1977
1978	---	2.53 ON AUG 23 *	0 ON MAY 19	5 220	1978
1979	---	1.01 ON AUG 24	0 ON MAY 20	5 300	1979
1980	---	2.43 ON MAY 24	0 ON MAY 1	5 020	1980
1981	---	1.64 ON JUN 14	0 ON MAY 1	7 660	1981
1982	---	1.85 ON JUL 1	0 ON MAY 2	6 950	1982
				7 040	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	1.00	0.490	0.399	0.260	---	---	---	1931
1932	---	---	---	---	---	5.86	2.01	1.01	0.870	0.547	0.273	0.141	---	1932
1933	0.116	0.094	0.088	0.207	1.56	4.34	1.99	0.751	0.529	0.448	0.265	0.168	0.880	1933
1934	0.133	0.087	0.080	1.08	2.82	2.10	1.07	0.386	0.233	0.211	---	---	---	1934
1935	---	---	---	0.152	0.817	2.65	1.63	0.799	0.302	0.175	---	---	---	1935
1936	---	---	---	---	---	1.97	0.563	0.275	0.213	0.121	0.046	---	---	1936
1937	---	---	---	---	0.953	2.80	1.54	0.598	0.333	0.331	0.279	---	---	1937
1938	---	---	---	---	---	4.18	---	---	---	---	---	---	---	1938
1939	---	---	---	---	---	1.93	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	1.59	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	1.21	---	---	---	---	---	---	---	1941
MEAN	0.125	0.091	0.084	0.480	1.54	2.86	1.40	0.616	0.411	0.299	0.216	0.155	0.880	MEAN

LOCATION - LAT 50 41 42 N DRAINAGE AREA, 63.7 km^2
LONG 115 06 50 W NATURAL FLOW

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	25.5 ON JUN 2 *	---	---	1932
1933	11.7 AT 22:00 MST ON JUN 16 *	10.1 ON JUN 16	0.085B ON FEB 16	27 700	1933
1934	5.80 AT 24:00 MST ON MAY 28	5.15 ON MAY 28	0.028B ON FEB 18 *	---	1934
1935	4.19 AT 01:00 MST ON JUN 18	4.05 ON JUN 18	---	---	1935
1936	6.23 AT 02:30 MST ON JUN 2	5.47 ON JUN 2	---	---	1936
1937	6.09 AT 22:00 MST ON JUN 16	5.18 ON JUN 17	---	---	1937
1938	7.56 AT 23:00 MST ON MAY 26	---	---	---	1938
1939	---	---	---	---	1939
1940	2.86 AT 19:00 MST ON MAY 23	---	---	---	1940
1941	---	---	---	---	1941
				27 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.239	0.197	0.467	0.055	0.003	0.004	---	---	---	1979
1980	---	---	---	1.05	0.027	0.063	0.096	0.843	0.761	0.210	---	---	---	1980
1981	---	---	---	0.393	0.048	0.023	0.019	0.040	0.005	0	---	---	---	1981
1982	---	---	---	1.31	0.165	0.055	0.488	0.024	0.016	0.005	---	---	---	1982
MEAN	---	---	---	0.918	0.120	0.085	0.268	0.241	0.196	0.055	---	---	---	MEAN

LOCATION - LAT 53 35 58 N DRAINAGE AREA, 106 km^2
LONG 113 09 49 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	4.13 AT 12:30 MST ON JUL 14	2.86 ON JUL 14	0 ON SEP 17 *	---	1979
1980	5.03 AT 03:54 MST ON APR 11	3.92 ON APR 11 *	0 ON MAY 15	---	1980
1981	---	---	0 ON MAY 13	---	1981
1982	6.52 AT 02:52 MST ON APR 24 *	---	---	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.053	0.010	0.001	0.001	0.001	0	0	---	---	0.009	1981
1982	---	---	---	0.177	0.016	0	0.068	0.001	0	0	---	---	0.037	1982
MEAN	---	---	---	0.115	0.013	0.001	0.035	0.001	0	0	---	---	0.023	MEAN

LOCATION - LAT 53 34 43 N
LONG 113 08 48 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.120B ON APR 2	0 ON MAY 26 *	172	1981
1982	1.17 AT 02:37 MST ON APR 24 *	1.05 ON APR 24 *	0B ON APR 1	687	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		430	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.012	0.004	0	0	0	0	0	---	---	0.002	1981
1982	---	---	---	0.164	0.002	0	0.014	0	0	0	---	---	0.025	1982
MEAN	---	---	---	0.088	0.003	0	0.007	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 53 35 48 N
LONG 113 08 49 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.055 ON APR 4	0 ON MAY 22 *	43.3	1981
1982	1.98 AT 23:49 MST ON APR 21 *	1.26 ON APR 22 *	0B ON APR 1	470	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		257	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.013	0.002	0.001	0.001	0.005	0.003	0.006	---	---	0.004	1981
1982	---	---	---	0.024	0.001	0	0.008	0	0	0	---	---	0.005	1982
MEAN	---	---	---	0.019	0.002	0.001	0.005	0.003	0.002	0.003	---	---	0.005	MEAN

LOCATION - LAT 53 35 44 N
LONG 113 08 47 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.045B ON APR 1	0 ON MAY 25 *	81.9	1981
1982	0.303 AT 11:05 MST ON APR 21 *	0.137 ON APR 24 *	0B ON APR 1	85.8	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		83.9	MEAN

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.498	0.379	0.253	0.141	0.272	0.160	0.346	0.229	---	---	---	1978
1979	---	---	0.313	0.480	0.896	2.48	2.39	2.01	1.33	0.717	0.484	0.332	---	1979
1980	0.270	0.147	0	0.243	2.40	3.14	2.63	2.44	2.17	1.98	---	---	---	1980
MEAN	0.270	0.147	0.270	0.367	1.18	1.92	1.76	1.54	1.28	0.975	0.484	0.332	---	MEAN

LOCATION - LAT 51 05 00 N
LONG 115 22 00 W   REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.40 AT 15:10 MST ON JUN 20	3.03 ON JUN 20	---	---	1979
1980	4.25 AT 21:10 MST ON JUN 17 *	4.10 ON JUN 17 *	0 ON MAR 1 *	---	1980
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	65.9	47.0	32.7	31.0	12.5	---	---	---	1962
1963	---	---	0	17.3	31.5	13.1	24.2	35.5	24.2	16.8	---	---	20.3	1963
1964	---	---	0.314	0.731	40.6	14.2	8.54	24.4	18.9	9.65	---	---	14.7	1964
1965	---	---	0.373	3.40	45.3	16.6	28.7	14.9	5.03	4.59	---	---	14.9	1965
1966	---	---	0.005	0.258	40.0	12.6	17.2	10.8	6.80	4.07	---	---	11.5	1966
1967	---	---	0	0.069	64.0	29.1	26.8	31.6	9.81	14.5	---	---	22.1	1967
1968	---	---	0.158	3.21	34.2	29.0	28.1	12.7	8.23	4.54	---	---	15.0	1968
1969	---	---	0.066	21.6	28.5	25.3	9.45	4.25	3.40	3.23	---	---	11.9	1969
1970	---	---	0	3.66	27.0	17.3	4.37	2.10	2.26	1.93	0.250	0	7.32	1970
1971	0	0	0	7.70	15.3	4.60	4.14	1.29	1.72	1.66	---	---	4.55	1971
1972	---	---	0	1.48	52.6	16.4	10.7	3.69	1.17	0.430	---	---	10.9	1972
1973	---	---	0	1.09	27.9	33.6	58.3	45.6	26.6	7.89	---	---	25.2	1973
1974	---	---	0.959	17.2	54.6	19.5	24.5	14.9	7.91	3.53	---	---	17.9	1974
1975	---	---	0.058	7.90	42.4	42.2	29.8	21.0	19.8	13.6	---	---	22.1	1975
1976	---	---	0.293	24.2	44.3	54.5	26.6	15.7	9.84	4.89	---	---	22.5	1976
1977	---	---	0.081	5.92	33.2	27.4	24.5	15.8	8.70	4.83	---	---	15.1	1977
1978	---	---	0.024	2.35	30.0	29.0	11.1	15.0	21.2	11.1	---	---	14.9	1978
1979	---	---	0.098	0.275	42.4	39.1	14.9	3.73	2.77	1.73	---	---	13.1	1979
1980	---	---	0	2.06	2.09	1.96	2.54	2.19	3.08	3.58	---	---	2.18	1980
1981	---	---	0	1.52	31.5	15.7	10.7	4.54	1.53	1.81	---	---	8.43	1981
1982	---	---	0	0.330	30.2	9.79	4.00	3.40	4.06	1.94	---	---	6.74	1982
MEAN	0	0	0.121	6.11	35.9	24.6	19.8	15.0	10.4	6.13	0.250	0	14.1	MEAN

LOCATION - LAT 58 27 53 N   DRAINAGE AREA, 2 550 km^2
LONG 116 15 23 W   NATURAL FLOW

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	118 AT 08:45 MST ON JUN 29	116 ON JUN 29	---	---	1962
1963	---	90.9 ON JUL 31	0 B ON MAR 1 *	431 000	1963
1964	---	92.9 B ON MAY 7	0.255B ON MAR 1	312 000	1964
1965	---	108 ON JUL 25	0.283B ON MAR 24	316 000	1965
1966	118 ON MAY 10	113 ON MAY 10	0.003B ON MAR 1	244 000	1966
1967	166 AT 18:00 MST ON MAY 23 *	161 ON MAY 23 *	0 B ON MAR 1	467 000	1967
1968	---	73.3 ON JUL 15	0.142B ON MAR 10	318 000	1968
1969	---	71.1 ON APR 21	0.045B ON MAR 11	252 000	1969
1970	---	47.3 ON MAY 31	0 B ON MAR 1	155 000	1970
1971	---	45.3 B ON APR 26	0 B ON MAR 1	96 300	1971
1972	103 ON MAY 11	99.7 ON MAY 11	0 B ON MAR 1	230 000	1972
1973	131 AT 03:00 MST ON JUL 28	125 ON JUL 28	0 B ON MAR 1	533 000	1973
1974	126 AT 21:00 MST ON MAY 10	122 ON MAY 10	0.929B ON MAR 22	379 000	1974
1975	---	75.3 ON JUN 29	0.042B ON APR 9	467 000	1975
1976	134 ON MAY 1	123 ON MAY 1	0.255B ON MAR 1	476 000	1976
1977	115 AT 04:00 MST ON MAY 14	108 ON MAY 14	0.065B ON MAR 21	319 000	1977
1978	63.4 B AT 00:00 MST ON MAY 1	60.0 ON MAY 2	0.014B ON MAR 3	316 000	1978
1979	112 AT 06:00 MST ON MAY 29	111 ON MAY 29	0.090B ON MAR 1	277 000	1979
1980	8.11 AT 10:30 MST ON OCT 3	7.31 ON OCT 4	0 B ON MAR 1	46 200	1980
1981	55.5 AT 18:30 MST ON MAY 8	54.6 ON MAY 8	0 B ON MAR 1	179 000	1981
1982	60.2 AT 15:00 MST ON MAY 17	57.8 ON MAY 17	0 B ON MAR 1	143 000	1982
				298 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PONY CREEK NEAR CHARD - STATION NO. 07CE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.783	0.441	2.22	0.475	0.465	---	---	---	1982
MEAN	---	---	---	---	---	0.783	0.441	2.22	0.475	0.465	---	---	---	MEAN

LOCATION - LAT 55 51 55 N DRAINAGE AREA, 282 km^2
LONG 110 55 00 W

PONY CREEK NEAR CHARD - STATION NO. 07CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	5.73A ON AUG 5 *	---	---	1982
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	0.017	0.014	0.270	0.906	0.426	3.08	1.30	0.831	0.204	0.013	0.252	0.063	0.682	1973
1974	0.016	0.006	0.010	2.49	1.64	0.844	0.577	0.341	0.120	0.163	0.109	0.055	0.531	1974
1975	0.012	0.001	0.002	0.300	1.25	1.11	1.21	0.696	1.34	0.808	0.190	0.028	0.582	1975
1976	0	0	0	0.722	0.225	0.085	0.349	2.76	5.94	2.52	0.546	0.025	1.10	1976
1977	0.003	0.009	0.475	2.42	2.31	2.80	1.76	0.616	0.211	0.884	0.327	0.022	0.989	1977
1978	0	0	0.010	0.434	2.31	1.38	0.630	0.691	9.21	4.04	1.42	0.043	1.68	1978
1979	0.011	0.003	0.013	1.12	9.93	2.55	0.738	1.00	2.83	1.60	1.35	0.237	1.79	1979
1980	0.004	0	0.006	0.859	0.606	0.718	0.114	5.54	3.90	2.42	0.723	0.157	1.26	1980
1981	0.089	0.024	0.182	0.615	1.70	0.477	0.615	0.133	0.026	0.149	0.135	0.018	0.350	1981
1982	0	0	0	0.879	3.92	0.904	0.311	0.520	0.472	0.347	0.261	0.130	0.651	1982
MEAN	0.015	0.006	0.097	1.07	2.43	1.39	0.760	1.31	2.43	1.37	0.531	0.078	0.962	MEAN

LOCATION - LAT 56 54 50 N DRAINAGE AREA, 151 km^2
LONG 111 27 35 W REGULATED SINCE 1976

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 B ON MAR 16 *	---	1972
1973	---	5.49 ON JUN 17	0.006B ON FEB 16	21 500	1973
1974	5.78 AT 00:00 MST ON APR 22	5.32 ON APR 24	0.006B ON FEB 3	16 800	1974
1975	---	3.20 ON JUL 18	0 B ON DEC 29	18 400	1975
1976	17.8 AT 12:30 MST ON AUG 30 *	17.3 ON AUG 30 *	0 B ON JAN 1	34 600	1976
1977	5.95 AT 11:00 MST ON APR 21	5.61 ON OCT 13	0 B ON DEC 30	31 200	1977
1978	15.5 AT 20:38 MST ON SEP 12	15.2 ON SEP 12	0 B ON JAN 1	53 000	1978
1979	14.0 AT 19:50 MST ON MAY 15	13.7 ON MAY 16	0 B ON FEB 1	56 600	1979
1980	11.7 AT 03:05 MST ON AUG 10	11.5 ON AUG 10	0 B ON JAN 16	39 700	1980
1981	3.30 AT 09:45 MST ON APR 28	2.93 ON APR 30	0 B ON FEB 10	11 000	1981
1982	7.39B AT 06:11 MST ON APR 27	6.02 ON MAY 2	0 B ON JAN 1	20 500	1982
				30 300	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.060	0.078	0.112	0.109	---	---	---	1980
1981	---	---	0.037	0.203	0.102	0.147	0.168	0.055	0.027	0.047	---	---	0.098	1981
1982	---	---	0.022	0.222	0.223	0.072	0.198	0.384	0.041	0.038	---	---	0.150	1982
MEAN	---	---	0.030	0.213	0.163	0.110	0.142	0.172	0.060	0.065	---	---	0.124	MEAN

LOCATION - LAT 54 43 20 N DRAINAGE AREA, 57.2 km^2
LONG 113 34 25 W

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	0.698A ON JUN 24	0.015B ON MAR 1	2 070	1981
1982	1.36 AT 21:08 MST ON AUG 4 *	1.33 ON AUG 5 *	0.013 ON JUL 6 *	3 190	1982
				2 630	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.388	2.56	1.50	0.202	0.311	0.176	0.953	---	---	---	1919
1920	---	---	---	5.70	5.23	1.77	5.82	1.88	1.79	2.01	---	---	---	1920
1921	---	---	0.536	0.904	1.32	1.42	2.19	0.774	0.259	1.19	---	---	1.08	1921
1922	---	---	0.393	2.36	2.58	2.35	4.89	0.777	0.036	0.569	---	---	1.75	1922
1923	---	---	0.370	0.428	2.53	4.49	3.23	2.28	3.73	0.344	---	---	2.17	1923
1924	---	---	0.120	2.50	2.20	4.22	1.75	0.554	0.342	0.293	---	---	1.49	1924
1925	---	---	4.17	1.36	1.57	3.32	4.16	0.767	0.492	---	---	---	---	1925
1926	---	---	0.014	0.313	0.024	1.56	0.781	0.174	0.714	4.20	---	---	0.969	1926
1927	---	---	---	0.880	8.31	2.85	2.74	2.67	2.32	1.52	---	---	---	1927
1928	---	---	---	1.90	0.759	5.57	4.58	0.675	0.879	1.10	---	---	---	1928
1929	---	---	4.96	3.04	2.35	4.66	1.77	0.005	0.010	0.439	---	---	2.15	1929
1930	---	---	1.36	1.56	2.19	2.00	0.946	0.069	1.07	2.28	---	---	1.43	1930
1931	---	---	0.433	0.550	1.66	2.03	0.118	0.123	0.499	0.134	---	---	0.689	1931
1932	---	---	---	2.21	1.80	1.77	0.850	0.223	---	0.909	---	---	---	1932
1933	---	---	---	1.62	2.33	1.98	1.74	0.294	0.707	0.480	---	---	---	1933
1934	---	---	---	0.556	3.07	3.27	1.18	0.078	0.118	0.367	---	---	---	1934
1935	---	---	0.568	1.50	2.48	1.42	1.30	0.608	0.047	0.278	---	---	1.03	1935
1936	---	---	2.43	4.11	4.24	1.64	0.125	0	0.017	0.004	---	---	1.57	1936
1937	---	---	0.139	1.35	2.49	5.68	1.26	0.055	0.054	0.305	---	---	1.41	1937
1938	---	---	0.696	1.72	3.14	2.33	2.13	0.138	0.402	0.102	---	---	1.33	1938
1939	---	---	---	1.57	3.83	5.31	1.60	0.026	0.049	0.283	---	---	---	1939
1940	---	---	0.673	1.97	2.92	1.36	0.029	0.002	0.044	0.485	---	---	0.933	1940
1941	---	---	0.092	0.512	1.84	2.18	0.659	0.028	0.684	3.85	---	---	1.23	1941
1942	---	---	0.274	2.11	3.75	4.47	2.69	1.94	2.58	1.30	---	---	2.38	1942
1943	---	---	1.38	1.36	2.57	2.34	4.54	1.06	0.355	0.261	---	---	1.74	1943
1944	---	---	0.114	0.389	0.224	3.11	0.259	0.058	0.034	0.076	---	---	0.526	1944
1945	---	---	---	0.374	0.813	3.02	1.19	0.014	0.040	0.150	---	---	---	1945
1946	---	---	0.698	0.127	0.292	3.75	1.81	0.084	0.337	2.02	---	---	1.14	1946
1947	---	---	8.66	1.72	0.928	3.95	1.51	2.42	4.99	7.29	---	---	3.94	1947
1948	---	---	1.98	4.73	2.84	4.21	1.41	0.816	0.291	0.276	---	---	2.05	1948
1949	---	---	0.291	0.369	0.853	1.13	0.308	0.060	0.057	0.295	---	---	0.419	1949
1950	---	---	1.74	1.47	4.52	1.87	3.08	1.20	0.404	7.85	---	---	2.78	1950
1951	---	---	3.52	0.377	10.1	23.0	21.3	14.2	16.1	23.4	---	---	14.0	1951
1952	---	---	---	0.985	3.23	3.07	3.94	4.76	3.83	0.219	---	---	---	1952
1953	---	---	1.54	1.01	2.17	15.0	3.63	0.915	1.65	0.973	0.082	---	3.33	1953
1954	---	---	0.185	0.602	0.785	0.452	0.495	4.24	3.34	0.400	---	---	1.31	1954
1955	---	---	0.562	2.08	4.71	1.07	0.772	0.273	0.549	2.76	---	---	1.60	1955
1956	---	---	0.880	0.522	0.520	0.991	0.739	0.445	3.26	5.28	---	---	1.58	1956
1972	---	---	---	---	0.308	0.581	0.670	0.650	0.698	0.476	---	---	---	1972
1973	---	---	---	---	0.264	0.569	0.434	0.773	0.736	0.631	0.708	---	---	1973
1974	---	---	---	---	0.328	0.173	0.592	0.773	0.721	2.10	3.23	---	---	1974
1975	---	---	---	---	3.22	2.81	0.406	0.408	0.260	6.92	0.109	---	---	1975
1976	---	---	---	---	0.399	0.746	0.373	0.843	0.405	0.627	---	---	---	1976
1977	---	---	---	---	0.482	0.533	0.442	0.456	0.292	0.781	0.733	---	---	1977
1978	---	---	---	---	0.329	0.288	0.508	1.27	1.61	1.13	0.139	---	---	1978
1979	---	---	---	---	1.38	0.509	0.545	0.899	0.345	0.472	1.32	---	---	1979
1980	---	---	---	---	0.700	0.431	0.461	0.443	0.407	0.632	---	---	---	1980
1981	---	---	---	---	0.615	0.630	0.616	0.483	0.386	0.997	3.59	---	---	1981
1982	---	---	---	---	0.229	0.658	0.849	0.461	0.423	0.360	3.59	0.675	---	1982
MEAN	---	---	1.38	1.51	2.18	2.94	1.99	1.07	1.22	1.87	1.50	0.675	2.08	MEAN

LOCATION - LAT 49 33 52 N DRAINAGE AREA, 772 km^2
LONG 112 49 40 W REGULATED SINCE 1919

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	11.9 E ON JUN 10	---	---	1919
1920	---	29.4 B ON APR 12	---	---	1920
1921	15.6 AT 18:30 MST ON JUL 2	8.95 ON APR 2	0.003B ON MAR 10	22 800	1921
1922	21.2 AT 06:30 MST ON JUN 29	15.9 ON JUN 24	0.006 ON SEP 29	37 000	1922
1923	14.7 AT 01:00 MST ON JUN 22	10.7 ON JUN 22	0.023B ON MAR 1	45 800	1923
1924	15.0 AT 22:30 MST ON JUL 26	12.3 A ON APR 7	0.057B ON MAR 23	31 400	1924
1925	---	20.2 E ON JUL 5	0 B ON MAR 1 *	---	1925
1926	22.7 AT 08:00 MST ON JUN 20	13.5 ON JUN 20	0 B ON MAR 1	20 500	1926
1927	65.7 AT 09:00 MST ON MAY 30	51.3 ON MAY 30	---	---	1927
1928	32.6 AT 02:00 MST ON JUL 2	29.7 ON JUL 2	---	---	1928
1929	31.1 AT 05:45 MST ON MAR 11	20.2 ON MAR 11	0 ON AUG 15	45 500	1929
1930	---	20.9 E ON JUN 19	0.031 ON AUG 12	30 300	1930
1931	20.0 AT 11:00 MST ON MAY 17	13.6 ON MAY 8	0 ON JUL 17	14 600	1931
1932	15.0 E AT 11:50 MST ON MAY 22	11.3 E ON MAY 22	0 ON JUL 19	---	1932
1933	18.2 AT 12:00 MST ON JUL 9	12.2 ON JUL 9	---	---	1933
1934	14.4 AT 01:00 MST ON JUN 7	13.0 ON JUN 7	0 ON JUL 20	---	1934
1935	18.6 AT 17:30 MST ON APR 16	10.5 ON APR 17	0 ON MAR 6	21 700	1935
1936	19.2 AT 14:00 MST ON JUN 29	15.3 ON JUN 29	0 B ON APR 1	33 300	1936
1937	42.5 AT 06:00 MST ON JUN 13	31.1 ON JUN 13	0 B ON MAR 1	29 700	1937
1938	---	11.3 A ON APR 10	0 B ON MAR 30	28 200	1938
1939	11.2 AT 01:00 MST ON MAY 24	8.75 ON JUN 14	0 ON SEP 23	---	1939
1940	---	6.46A ON APR 24	0 B ON MAR 1	19 700	1940
1941	7.70 AT 23:00 MST ON JUN 1	6.94 ON JUN 2	0 B ON MAR 1	26 000	1941
1942	11.4 AT 12:00 MST ON JUN 6	10.5 ON JUN 6	0.008E ON OCT 31	50 400	1942
1943	11.7 AT 18:00 MST ON JUL 10	11.3 ON JUL 10	0 B ON MAR 1	36 800	1943
1944	10.1 AT 20:30 MST ON JUN 5	7.08 ON JUN 5	0 B ON MAR 1	11 100	1944
1945	5.95 AT 10:30 MST ON JUN 5	5.52 ON JUN 5	0 ON SEP 2	---	1945
1946	13.5 AT 16:00 MST ON JUN 7	10.2 ON JUN 7	0.006 ON APR 29	24 100	1946
1947	53.0 AT 00:45 MST ON MAR 18	39.6 ON MAR 18	0.014 ON AUG 21	83 300	1947
1948	27.9 AT 09:00 MST ON JUN 18	20.9 ON JUN 18	0 B ON MAR 1	43 500	1948
1949	6.14 AT 20:00 MST ON MAY 17	2.97 ON MAY 18	0 B ON MAR 1	8 860	1949
1950	---	25.4 ON OCT 27	0.065 ON SEP 9	58 800	1950
1951	94.9 AT 04:00 MST ON JUN 25 *	66.5 ON JUN 25 *	0 B ON MAR 1	297 000	1951
1952	13.3 AT 14:45 MST ON SEP 9	12.6 ON SEP 9	---	---	1952
1953	61.4 A AT 12:00 MST ON JUN 9	56.6 A ON JUN 9	0.057B ON MAR 1	70 500	1953
1954	11.4 AT 12:45 MST ON SEP 27	10.6 ON SEP 26	0.105 ON OCT 30	27 800	1954
1955	17.2 AT 06:00 MST ON MAY 19	15.0 ON MAY 19	0 B ON MAR 1	33 900	1955
1956	---	10.5 A ON JUN 17	0 B ON MAR 1	33 400	1956
1972	---	1.16 ON JUL 19	---	---	1972
1973	---	1.03 ON JUN 16	---	---	1973
1974	---	6.60 ON OCT 30	---	---	1974
1975	28.9 AT 07:30 MST ON JUN 21	25.8 ON JUN 21	---	---	1975
1976	18.9 AT 16:00 MST ON AUG 6	9.20 ON AUG 6	---	---	1976
1977	2.97 AT 15:50 MST ON OCT 29	2.94 ON OCT 29	---	---	1977
1978	15.9 AT 03:10 MST ON AUG 23	10.9 ON SEP 13	---	---	1978
1979	---	8.60 ON AUG 24	---	---	1979
1980	---	3.44 ON MAY 26	---	---	1980
1981	---	6.04 ON OCT 30	---	---	1981
1982	---	2.87 ON JUL 1	---	---	1982
				43 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.050	0	---	---	---	---	---	---	---	1914
1915	---	---	---	0.383	0.461	2.20	0.515	0.404	0.174	0.002	---	---	---	1915
1916	---	---	2.47	0.293	1.59	2.08	0.667	0.906	1.62	0.487	---	---	1.26	1916
1917	---	---	---	3.55	1.47	1.16	0.149	0.048	0.324	0.460	---	---	---	1917
1918	---	---	---	---	0.127	0.020	0	0	0	---	---	---	---	1918
1919	---	---	---	0.123	0.149	0.010	---	---	---	---	---	---	---	1919
1920	---	---	---	3.39	2.42	0.092	0.039	0	---	---	---	---	---	1920
1921	---	---	---	0.580	0.099	0.012	0.005	0	0	0	---	---	---	1921
1922	---	---	---	1.32	0.493	0.037	0	0	---	---	---	---	---	1922
1923	---	---	---	---	0.082	0.499	0.002	0	0	---	---	---	---	1923
1924	---	---	---	0.773	0.030	0.347	0.015	---	---	---	---	---	---	1924
1925	---	---	0.511	0.782	0.053	0	---	---	---	---	---	---	---	1925
1927	---	---	0.281	0.746	5.65	1.41	0.980	0.503	1.06	0.602	---	---	1.41	1927
1928	---	---	---	1.57	0.380	1.48	2.95	0.476	0.261	0.380	---	---	---	1928
1929	---	---	---	2.43	0.985	1.11	0.123	0	0	0.026	---	---	---	1929
1930	---	---	1.35	0.955	0.546	0.074	0.043	0	0	0	---	---	0.371	1930
1931	---	---	0.208	0.116	0.028	0.002	---	---	---	---	---	---	---	1931
1932	---	---	---	0.343	0.213	0.019	---	---	---	---	---	---	---	1932
1933	---	---	---	---	0.246	---	---	---	---	---	---	---	---	1933
1934	---	---	---	0.081	0	0.087	---	---	---	---	---	---	---	1934
1935	---	---	---	1.39	0.126	---	---	---	---	---	---	---	---	1935
1936	---	---	1.09	1.29	0.013	---	---	---	---	---	---	---	---	1936
1937	---	---	---	1.28	0.128	0.911	0.002	0	0	0	---	---	---	1937
1938	---	---	0.359	0.752	0.204	0.057	0.045	---	---	---	---	---	---	1938
1939	---	---	0.166	0.003	0	0.018	---	---	---	---	---	---	---	1939
1940	---	---	---	0.676	0.088	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0	0	0	0	0	---	---	---	---	---	1941
1942	---	---	0.183	0.774	0.191	0.621	0.082	0.043	0	0	---	---	0.234	1942
1943	---	---	---	0.678	0.055	0.023	0	0	0	0	---	---	---	1943
1944	---	---	---	0.035	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1945
1946	---	---	0.523	0.055	0	0	0	0	0	0	---	---	0.073	1946
1947	---	---	4.00	1.09	0.071	0.109	0.007	0	0	0	---	---	0.663	1947
1948	---	---	0.924	3.79	1.37	2.46	0.067	0	0	0	---	---	1.06	1948
1949	---	---	0.057	0.068	0.285	0.422	2.34	4.00	1.27	0.021	0.211	---	1.06	1949
1950	---	---	0.222	0.168	0.042	0.045	0.056	0.139	5.46	1.27	0.407	---	0.914	1950
1951	---	---	0.353	0.119	2.67	10.3	9.27	6.42	2.03	4.87	---	---	4.51	1951
MEAN	---	---	0.794	0.897	0.549	0.753	0.643	0.518	0.555	0.427	0.309	---	1.05	MEAN

LOCATION - LAT 49 22 36 N DRAINAGE AREA, 374 km²
LONG 112 53 21 W NATURAL FLOW

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	11.3 ON MAR 17	0 ON SEP 29 *	---	1915
1916	---	9.03 ON MAR 10	0.031 ON AUG 8	26 700	1916
1917	---	---	0 ON JUL 25	---	1917
1918	---	---	0 ON JUN 22	---	1918
1919	---	---	0 ON APR 29	---	1919
1920	33.7 AT 23:30 MST ON MAY 17	11.6 B ON APR 12	0 ON JUL 2	---	1920
1921	7.39 AT 04:00 MST ON APR 2	4.13 ON APR 2	0 ON JUN 20	---	1921
1922	---	5.24 E ON APR 21	0 ON APR 19	---	1922
1923	---	---	0 ON JUL 5	---	1923
1924	7.22 AT 04:00 MST ON APR 7	4.70 ON APR 7	0 ON MAY 8	---	1924
1925	---	2.55 A ON MAR 29	0 B ON MAR 1	---	1925
1927	---	39.6 E ON MAY 30 *	0.034 ON MAY 16	29 800	1927
1928	15.0 AT 17:30 MST ON JUL 2	14.2 ON JUL 1	---	---	1928
1929	11.9 AT 09:30 MST ON JUN 2	7.36 ON JUN 2	0 ON JUL 30	---	1929
1930	---	7.08 B ON MAR 21	0 ON JUL 2	7 860	1930
1931	---	---	0 ON JUN 4	---	1931
1932	---	---	0 ON JUN 18	---	1932
1933	---	---	0 ON JUN 8	---	1933
1934	---	---	0 ON APR 15	---	1934
1935	16.1 AT 15:00 MST ON APR 16	9.15 ON APR 16	0 ON MAY 28	---	1935
1936	20.1 AT 05:30 MST ON APR 11	12.9 ON APR 11	0 ON MAY 11	---	1936
1937	23.6 AT 23:30 MST ON JUN 12	15.2 ON JUN 13	0 ON JUL 8	---	1937
1938	8.72 AT 04:30 MST ON APR 10	6.06 ON APR 10	0 E ON JUL 21	---	1938
1939	4.81 AT 19:00 MST ON MAR 20	1.93 ON MAR 20	0 A ON MAR 1	---	1939
1940	2.97 AT 15:00 MST ON APR 24	2.61 ON APR 24	0 ON MAY 23	---	1940
1941	---	---	0 ON MAR 25	---	1941
1942	6.74 AT 09:00 MST ON APR 3	4.02 ON APR 3	0 B ON MAR 1	8 960	1942
1943	---	---	0 ON MAY 31	---	1943
1944	---	---	0 ON APR 14	---	1944
1945	---	0.057E ON MAR 12	0 ON MAR 1	30.0	1945
1946	1.95 AT 06:45 MST ON MAR 23	1.23 B ON MAR 3	0 E ON APR 27	1 540	1946
1947	---	19.8 E ON MAR 16	0 B ON MAR 1	14 000	1947
1948	12.4 AT 21:30 MST ON APR 17	11.1 ON APR 19	0 B ON MAR 1	22 500	1948
1949	6.17 AT 15:30 MST ON JUL 11	5.89 ON JUL 12	0 B ON MAR 1	22 500	1949
1950	12.4 AT 12:00 MST ON SEP 24	11.8 ON SEP 23	0 ON JUL 24	19 400	1950
1951	39.4 AT 15:00 MST ON JUN 24 *	28.1 ON JUN 25	0.014B ON MAR 9	95 300	1951
MEAN				22 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	3.91	7.33	4.30	5.01	3.78	1.86	---	---	---	1914
1915	---	---	---	0.647	2.81	6.04	4.17	2.96	1.66	1.90	---	---	---	1915
1916	---	---	2.07	0.703	4.00	5.05	4.65	5.44	5.35	1.62	---	---	3.61	1916
1917	---	---	---	9.10	2.84	3.57	2.26	1.14	1.29	1.97	---	---	---	1917
MEAN	---	---	2.07	3.48	3.39	5.50	3.85	3.64	3.02	1.84	---	---	3.61	MEAN

LOCATION - LAT 49 26 40 N DRAINAGE AREA, 542 km²
LONG 112 49 48 W REGULATED

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON OCT 10 *	---	1914
1915	---	19.4 ON MAR 17	---	---	1915
1916	---	36.8 ON JUN 28 *	0.057B ON MAR 3	76 500	1916
1917	---	26.6E ON APR 8	---	---	1917
MEAN				76 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.202	0.271	0.107	0.206	0.006	---	---	---	1976
1977	---	---	---	0	0.248	0.436	0.685	0.245	0.227	0.072	---	---	0.274	1977
1978	---	---	---	0	0.002	0.037	0.069	0.119	---	---	---	---	---	1978
1979	---	---	---	0	0.046	0.357	0.462	0.456	0.226	0.105	---	---	0.237	1979
1980	---	---	---	0	0.114	0.124	0.392	0.242	0.244	0.099	---	---	0.174	1980
1981	---	---	---	0	0	0.175	0.435	0.274	0.300	0.194	---	---	0.197	1981
1982	---	---	---	0	0.024	0.419	0.373	0.578	0.209	0.101	---	---	0.244	1982
MEAN	---	---	---	0	0.072	0.250	0.384	0.289	0.235	0.096	---	---	0.225	MEAN

LOCATION - LAT 49 22 37 N
LONG 112 53 52 W REGULATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	0.949 ON JUN 3 *	0 ON JUN 16 *	---	1976
1977	---	0.867 ON JUL 26	0E ON APR 1	5 070	1977
1978	---	0.320 ON AUG 12	0E ON APR 1	---	1978
1979	---	0.817 ON JUL 31	0 ON APR 1	4 370	1979
1980	---	0.465 ON AUG 7	0A ON APR 1	3 220	1980
1981	---	0.532 ON JUL 29	0 ON APR 1	3 650	1981
1982	---	0.761 ON AUG 10	0E ON APR 1	4 520	1982
MEAN				4 170	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE BLOOD COULEE NEAR LET[illegible]BRIDGE - STATION NO. 05AD035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.045	0.064	0.011	0.083	0	0	0	0	---	---	0.025	1970
1971	---	---	0.441	0.135	0.012	0.049	0	0	0	0	---	---	0.080	1971
1972	---	---	2.68	0.541	0.079	0.003	0	0	0	0	---	---	0.415	1972
1973	---	---	0.061	0.005	0.001	0	0	0	0	0	---	---	0.008	1973
1974	---	---	0.369	0.040	0.342	0.001	0	0	0	0	---	---	0.095	1974
1975	---	---	0	1.64	0.455	0.679	0.005	0	0	0.019	---	---	0.344	1975
1976	---	---	0.333	0.083	0.030	0.063	0.003	0.221	0	0	---	---	0.092	1976
1977	---	---	0.030	0.249	0.002	0	0	0	0	0	---	---	0.035	1977
1978	---	---	1.75	0.190	0.142	0.022	0.633	0.271	0.452	0.049	---	---	0.442	1978
1979	---	---	1.69	0.517	0.304	0.039	0.001	0.003	0.001	0.013	---	---	0.322	1979
1980	---	---	0.192	0.111	0.071	0.034	0	0	0	0	---	---	0.051	1980
1981	---	---	0.031	0.024	1.33	0.650	0.030	0.008	0	0.028	---	---	0.263	1981
1982	---	---	0.124	0.496	0.045	0.018	0.006	0	0	0	---	---	0.085	1982
MEAN	---	---	0.596	0.315	0.217	0.126	0.052	0.039	0.035	0.008	---	---	0.174	MEAN

LOCATION - LAT 49 33 50 N DRAINAGE AREA, 227 km²
LONG 112 57 32 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.991 AT 18:47 MST ON JUN 18	0.807 ON JUN 18	0B ON MAR 1 *	531	1970
1971	---	2.01 ON MAR 30	0 ON JUL 6	1 690	1971
1972	23.9 AT 02:00 MST ON MAR 12	17.3 B ON MAR 11 *	0B ON MAR 1	8 790	1972
1973	---	0.430B ON MAR 1	0 ON MAY 14	177	1973
1974	4.19 B AT 13:00 MST ON MAR 12	2.38 B ON MAR 12	0B ON MAR 1	2 010	1974
1975	15.2 AT 17:40 MST ON JUN 20	9.12 ON APR 28	0B ON MAR 1	7 290	1975
1976	14.8 B AT 10:00 MST ON MAR 17	3.91 B ON MAR 17	0B ON MAR 1	1 950	1976
1977	3.26 AT 22:20 MST ON APR 6	2.48 ON APR 7	0 ON MAY 7	732	1977
1978	26.0 AT 20:15 MST ON MAR 20 *	13.2 ON MAR 20	0B ON MAR 1	9 360	1978
1979	---	5.89 B ON MAR 8	0B ON MAR 1	6 820	1979
1980	---	1.30 B ON MAR 1	0B ON MAR 6	1 080	1980
1981	19.9 AT 08:25 MST ON MAY 23	14.1 ON MAY 23	0 ON AUG 23	5 570	1981
1982	7.05 AT 18:45 MST ON APR 12	4.60 ON APR 12	0B ON MAR 1	1 810	1982
				3 680	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	3.97	2.28	1.35	1.18	0.868	0.735	---	---	---	1973
1974	---	---	0.331	1.28	6.37	3.63	2.24	1.15	1.18	1.41	---	---	2.20	1974
1975	---	---	0.335	0.466	1.58	1.43	1.13	0.819	0.572	0.427	---	---	0.845	1975
1976	---	---	0.272	0.765	0.868	1.35	0.893	1.53	0.870	0.552	---	---	0.886	1976
1977	---	---	0.304	0.891	6.15	3.13	1.54	1.64	1.86	0.977	---	---	2.06	1977
1978	---	---	0.366	1.23	3.49	4.60	3.26	2.60	3.11	1.40	---	---	2.50	1978
1979	---	---	0.555	1.33	1.79	1.47	0.791	0.719	0.436	0.403	---	---	0.935	1979
1980	---	---	0.211	1.38	1.87	4.73	2.50	1.35	1.28	0.845	---	---	1.76	1980
1981	---	---	0.384	0.551	5.84	2.25	7.88	4.68	1.50	1.13	---	---	3.05	1981
1982	---	---	0.065	0.742	1.87	2.10	5.66	1.63	1.00	1.01	---	---	1.77	1982
MEAN	---	---	0.314	0.959	3.38	2.70	2.72	1.73	1.27	0.889	---	---	1.78	MEAN

LOCATION - LAT 52 15 10 N   DRAINAGE AREA, 208 km^2
LONG 115 17 30 W   NATURAL FLOW

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	7.62 ON MAY 27	---	---	1973
1974	---	10.8 ON MAY 25	0.300B ON MAR 1	46 600	1974
1975	---	2.74A ON MAY 7	0.198B ON APR 6	17 900	1975
1976	4.19 AT 20:30 MST ON AUG 16	3.74 ON AUG 17	0.252B ON MAR 1	18 800	1976
1977	22.8 AT 19:00 MST ON MAY 29	17.1 ON MAY 29	0.283B ON MAR 16	43 700	1977
1978	15.4 AT 01:10 MST ON MAY 31	13.0 ON MAY 31	0.300B ON MAR 1	52 900	1978
1979	5.04B AT 03:00 MST ON APR 28	4.00B ON APR 27	0.370E ON OCT 31	19 800	1979
1980	20.9 AT 10:30 MST ON JUN 5	19.0 ON JUN 5	0.200B ON MAR 1	37 400	1980
1981	29.5 AT 16:50 MST ON JUL 24 *	23.2 ON JUL 24	0.300B ON MAR 20	64 500	1981
1982	26.6 AT 05:09 MST ON JUL 5	24.8 ON JUL 5 *	0.010B ON MAR 1 *	37 400	1982
				37 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0.179	0.433	1.03	1.26	4.26	1.12	0.635	0.559	---	---	1.48	1969
1970	---	---	0.195	0.273	1.27	2.75	1.29	0.432	0.396	0.321	---	---	1.07	1970
1971	---	---	0.172	0.433	1.14	2.10	1.00	0.404	0.338	0.277	---	---	0.873	1971
1972	---	---	0.109	0.359	1.11	4.90	2.00	0.838	0.939	0.809	---	---	1.75	1972
1973	---	---	---	---	2.31	1.52	0.946	0.757	0.528	0.413	---	---	1.08	1973
MEAN	---	---	0.164	0.375	1.37	2.51	1.90	0.710	0.567	0.476	---	---	1.25	MEAN

LOCATION - LAT 52 14 40 N   DRAINAGE AREA, 95.6 km^2
LONG 115 18 05 W   NATURAL FLOW

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	19.7 AT 08:17 MST ON JUL 5	18.4 ON JUL 5	0.354 ON JUN 18	23 600	1969
1970	25.3 AT 14:00 MST ON JUN 16	15.9 ON JUN 16	0.201 ON OCT 31 *	17 000	1970
1971	7.36E ON JUN 8	4.96E ON JUN 8	0.235 ON OCT 28	13 900	1971
1972	45.9 AT 15:00 MST ON JUN 25 *	40.5 ON JUN 25 *	0.323 ON SEP 4	27 900	1972
1973	4.47 AT 01:30 MST ON MAY 28	4.22 ON MAY 27	0.368E ON SEP 8	17 200	1973
				19 900	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	2.03	2.03	4.65	2.44	2.11	---	---	---	1922
1923	---	---	---	2.72	3.75	19.4	11.6	10.3	5.10	3.88	---	---	---	1923
1924	---	---	---	1.96	5.56	4.29	2.65	3.20	2.43	2.34	---	---	---	1924
1925	---	---	---	3.72	2.51	6.40	3.07	12.0	12.9	11.0	---	---	---	1925
1951	---	---	---	---	---	---	---	---	14.3	7.97	---	---	---	1951
1952	---	---	3.15	9.91	5.85	23.9	14.3	7.53	5.58	3.95	---	---	---	1952
1953	---	---	2.46	4.32	7.57	13.4	10.8	8.55	5.71	4.03	---	---	---	1953
1954	---	---	3.07	4.47	17.9	24.8	8.07	18.4	22.3	10.2	---	---	---	1954
1955	---	---	1.91	4.41	13.6	13.8	7.47	4.32	3.50	3.12	---	---	---	1955
1956	---	---	2.06	4.17	3.45	4.07	4.60	3.34	2.76	2.13	---	---	---	1956
1957	---	---	1.17	6.66	7.24	6.16	4.22	4.37	4.29	3.28	---	---	---	1957
1958	---	---	1.65	4.43	6.17	6.39	8.94	3.95	3.20	2.55	---	---	---	1958
1959	---	---	1.95	3.02	2.90	12.5	9.95	4.30	3.71	3.74	---	---	---	1959
1960	---	---	2.35	4.55	8.15	6.90	5.53	2.88	2.10	1.88	---	---	---	1960
1961	---	---	1.83	2.13	5.81	2.46	2.49	2.56	2.36	2.29	0.743	1.32	---	1961
1962	1.20	1.64	1.06	2.30	5.03	3.45	4.16	5.15	3.29	2.77	2.09	1.39	2.80	1962
1963	1.32	1.28	1.09	4.69	5.71	7.81	11.9	9.04	6.52	3.57	1.51	0.805	4.63	1963
1964	0.888	0.972	0.399	1.88	17.7	12.3	6.92	3.42	4.72	3.68	2.30	1.39	4.73	1964
1965	1.42	1.50	1.47	4.25	6.59	22.7	21.6	8.47	13.7	8.63	5.53	2.54	8.22	1965
1966	2.17	2.45	2.92	3.54	4.58	5.15	8.09	5.54	5.11	4.34	1.52	2.09	3.97	1966
1967	1.86	1.62	1.59	1.89	8.12	11.6	5.94	3.73	2.39	2.17	2.26	1.79	3.76	1967
1968	1.65	2.18	2.16	2.10	3.38	4.07	6.37	5.09	3.56	3.51	2.31	1.70	3.18	1968
1969	1.41	1.69	2.38	3.89	5.79	5.67	21.8	8.69	4.90	4.24	3.44	3.57	5.66	1969
1970	1.70	1.43	1.49	2.46	7.56	15.1	10.6	3.95	3.32	3.20	1.49	1.68	4.51	1970
1971	1.35	1.12	1.66	7.31	6.15	10.8	5.84	3.03	2.52	2.27	1.87	1.47	3.78	1971
1972	1.26	1.18	1.65	2.79	5.15	17.2	12.8	5.58	5.97	5.12	3.86	2.26	5.40	1972
1973	2.06	1.80	1.96	4.54	11.2	8.30	6.15	4.63	3.77	3.15	2.06	2.03	4.32	1973
1974	1.44	1.55	1.54	4.72	16.6	11.2	8.03	5.31	4.40	4.96	3.30	2.15	5.47	1974
1975	1.81	1.60	1.62	2.82	5.67	4.35	3.56	2.57	2.13	1.81	1.29	1.40	2.56	1975
1976	1.37	1.48	1.51	2.94	2.49	3.96	2.64	4.97	2.93	2.12	2.00	1.73	2.51	1976
1977	1.41	1.43	1.42	2.11	11.1	8.13	4.68	4.56	5.00	3.71	2.40	2.11	4.02	1977
1978	1.55	1.57	1.52	3.81	6.67	10.4	7.44	7.21	8.10	5.32	4.03	3.05	5.07	1978
1979	2.10	1.88	2.48	3.07	5.00	3.64	2.54	2.33	1.66	1.53	0.984	1.31	2.38	1979
1980	1.04	0.976	1.10	3.45	3.82	9.73	6.73	4.65	4.39	2.98	2.38	2.24	3.62	1980
1981	1.66	1.47	2.32	1.99	8.52	6.68	16.4	14.6	6.35	4.52	3.38	2.18	5.89	1981
1982	1.62	1.48	1.50	9.11	4.46	4.88	14.8	6.19	4.38	4.07	3.12	2.25	4.84	1982
MEAN	1.54	1.54	1.82	3.89	7.11	9.53	8.13	5.97	5.33	3.95	2.45	1.93	4.35	MEAN

LOCATION - LAT 52 16 20 N, LONG 114 55 50 W

DRAINAGE AREA, 859 km²

NATURAL FLOW

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	15.4 ON AUG 17	---	---	1922
1923	58.9 AT 20:00 MST ON JUN 24	57.5 ON JUN 24	---	---	1923
1924	---	11.8 ON MAY 3	---	---	1924
1925	43.9 AT 17:45 MST ON AUG 17	42.5 ON AUG 17	---	---	1925
1951	---	---	---	---	1951
1952	94.3 AT 17:00 MST ON JUN 24	86.1 ON JUN 24	---	---	1952
1953	---	28.3 ON JUN 4	---	---	1953
1954	94.6 AT 09:00 MST ON AUG 27	94.0 ON AUG 26	---	---	1954
1955	---	36.8 ON JUN 1	---	---	1955
1956	---	8.41B ON APR 16	---	---	1956
1957	---	18.4 ON APR 30	---	---	1957
1958	---	17.9 ON JUL 2	---	---	1958
1959	---	43.6 ON JUN 29	---	---	1959
1960	---	22.5 ON MAY 19	---	---	1960
1961	---	9.63 ON MAY 5	---	---	1961
1962	17.4 AT 01:00 MST ON MAY 16	17.1 ON MAY 16	0.663B ON MAR 23	88 500	1962
1963	42.2 AT 03:00 MST ON JUL 17	36.8 ON JUL 17	0.467B ON NOV 19	146 000	1963
1964	109 AT 04:00 MST ON MAY 8	90.0 ON MAY 8	0.255B ON MAR 25 *	149 000	1964
1965	68.8 AT 05:00 MST ON JUN 30	65.4 ON JUN 30	1.20 B ON MAR 16	259 000	1965
1966	32.3 AT 13:00 MST ON JUL 4	29.7 ON JUL 4	0.340B ON NOV 7	125 000	1966
1967	22.0 AT 08:00 MST ON JUN 1	21.2 ON JUN 1	1.23 B ON MAR 14	118 000	1967
1968	22.5 AT 19:32 MST ON JUL 21	20.4 ON JUL 22	1.36 B ON JAN 12	101 000	1968
1969	69.4 AT 19:13 MST ON JUL 6	67.4 ON JUL 6	1.36 B ON JAN 23	179 000	1969
1970	70.5 AT 18:29 MST ON JUN 17	64.8 ON JUN 17	1.02 B ON NOV 5	142 000	1970
1971	24.9 AT 10:00 MST ON JUN 10	24.0 ON JUN 10	1.06 B ON FEB 7	119 000	1971
1972	116 E AT 21:00 ON JUN 26 *	102 E ON JUN 26 *	1.10 B ON FEB 23	171 000	1972
1973	20.4 AT 23:30 MST ON MAY 28	19.4 ON MAY 28	1.75 B ON FEB 7	136 000	1973
1974	23.5 AT 22:20 MST ON MAY 21	23.0 ON MAY 20	1.25 B ON JAN 30	172 000	1974
1975	11.6 AT 11:00 MST ON MAY 8	11.2 ON MAY 8	1.22 B ON NOV 21	80 800	1975
1976	11.6 AT 19:00 MST ON AUG 9	9.77 ON AUG 17	1.33 B ON JAN 27	79 500	1976
1977	38.2 AT 19:00 MST ON MAY 30	34.0 ON MAY 30	1.26 ON MAY 3	127 000	1977
1978	22.4 E AT 01:00 MST ON JUN 1	19.0 E ON JUN 1	1.33 B ON MAR 6	160 000	1978
1979	8.43 AT 21:00 MST ON APR 29	7.93 ON APR 29	0.690B ON NOV 1	75 100	1979
1980	28.1 AT 10:00 MST ON JUN 6	27.0 ON JUN 6	0.850B ON JAN 26	114 000	1980
1981	54.8 AT 15:00 MST ON JUL 31	49.5 ON JUL 31	1.32 ON MAY 4	186 000	1981
1982	---	41.2 A ON JUL 6	1.24 B ON MAR 2	153 000	1982
				137 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.075	0.036	0.055	0.070	0.010	0.003	0.010	---	---	0.034	1981
1982	---	---	0	0.126	0.070	0.012	0.034	0.038	0.019	0.018	---	---	0.039	1982
MEAN	---	---	0.008	0.101	0.053	0.034	0.052	0.024	0.011	0.014	---	---	0.037	MEAN

LOCATION - LAT 54 32 20 N LONG 111 13 40 W DRAINAGE AREA, 395 km^2 NATURAL FLOW

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.131 AT 14:10 MST ON JUN 22	0.123 ON JUL 9	0B ON MAR 1 *	724	1981
1982	0.750B AT 11:00 MST ON APR 26 *	0.500B ON APR 25 *	0B ON MAR 1	833	1982
				779	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.150	0.060	0.161	0.265	---	---	---	1972
1973	---	---	---	---	0.651	0.227	0.065	0.048	0.021	---	---	---	---	1973
1974	---	---	---	---	0.620	0.091	0.105	0.052	---	---	---	---	---	1974
MEAN	---	---	---	---	0.636	0.159	0.107	0.053	0.091	0.265	---	---	---	MEAN

LOCATION - LAT 53 21 00 N LONG 117 24 00 W DRAINAGE AREA, 15.3 km^2 NATURAL FLOW

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.47 AT 22:30 MST ON MAY 27 *	1.22 ON MAY 28 *	---	---	1973
1974	1.12 AT 04:10 MST ON MAY 8	1.03 ON MAY 8	---	---	1974
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	10.1	3.40	1.32	0.655	0.665	---	---	---	1966
1967	---	---	0.193	0.495	12.9	20.6	4.81	1.05	0.465	0.499	---	---	5.09	1967
1968	---	---	0.377	0.620	10.2	11.1	3.04	1.05	1.30	1.52	---	---	3.64	1968
1969	---	---	0.326	4.18	10.3	10.1	4.20	1.07	0.668	0.506	---	---	3.90	1969
1970	---	---	0.395	0.430	8.80	9.18	1.66	0.606	0.600	0.460	---	---	2.76	1970
1971	---	---	0.266	1.61	15.5	12.6	2.91	0.986	0.629	0.900	---	---	4.41	1971
1972	---	---	0.800	1.65	17.9	20.8	5.30	2.14	1.34	1.35	---	---	6.40	1972
1973	---	---	0.366	0.820	7.73	6.55	1.50	0.613	0.441	0.415	---	---	2.30	1973
1974	---	---	0.300	1.82	12.5	22.2	4.74	1.33	0.714	0.620	---	---	5.49	1974
1975	---	---	0.219	0.420	8.90	16.1	4.78	1.58	0.884	1.02	---	---	4.22	1975
1976	---	---	0.325	2.50	13.3	5.24	2.62	10.9	1.59	0.739	---	---	4.68	1976
1977	---	---	0.259	1.59	3.73	2.16	0.706	1.03	1.27	0.681	---	---	1.42	1977
1978	---	---	0.365	1.38	11.0	10.3	4.87	1.66	0.982	0.736	---	---	3.90	1978
1979	---	---	---	---	9.42	7.06	1.72	0.704	0.458	0.362	---	---	---	1979
1980	---	---	---	---	9.47	5.23	1.31	0.763	0.887	0.616	---	---	---	1980
1981	---	---	---	---	10.5	11.3	2.72	1.07	0.574	0.481	---	---	---	1981
1982	---	---	0.421	0.624	7.69	10.8	2.65	0.770	0.597	0.573	---	---	2.93	1982
MEAN	---	---	0.355	1.39	11.1	11.3	3.11	1.68	0.827	0.714	---	---	3.93	MEAN

LOCATION - LAT 49 50 16 N, LONG 114 25 06 W — DRAINAGE AREA, 217 km^2 — NATURAL FLOW

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.6 AT 21:00 MST ON MAY 28	24.1 ON MAY 28	---	---	1966
1967	58.9 AT 14:30 MST ON MAY 30	48.1 ON MAY 30	0.142B ON MAR 1 *	108 000	1967
1968	44.2 AT 23:58 MST ON MAY 22	36.5 ON MAY 23	0.300 ON APR 9	77 000	1968
1969	23.1 AT 10:12 MST ON JUN 26	22.0 ON JUN 26	0.210B ON MAR 6	82 500	1969
1970	25.3 AT 18:53 MST ON MAY 26	22.9 ON MAY 26	0.292B ON OCT 27	58 400	1970
1971	31.4 AT 23:00 MST ON MAY 27	28.2 ON MAY 27	0.190B ON MAR 22	93 400	1971
1972	59.7 AT 21:30 MST ON MAY 31	49.8 ON JUN 1	0.258B ON MAR 1	136 000	1972
1973	23.1 AT 22:00 MST ON MAY 17	19.0 ON MAY 18	0.275A ON MAR 1	48 700	1973
1974	44.5 AT 22:20 MST ON JUN 16	37.9 ON JUN 16	0.204B ON MAR 8	116 000	1974
1975	46.7 AT 01:15 MST ON JUN 20	37.9 ON JUN 20	0.181B ON APR 3	89 200	1975
1976	88.6 AT 18:40 MST ON AUG 5 *	50.7 ON AUG 5 *	0.283B ON MAR 13	98 900	1976
1977	10.0 AT 03:30 MST ON MAY 11	7.96 ON MAY 11	0.218B ON MAR 18	30 200	1977
1978	26.0 AT 00:50 MST ON JUN 6	22.4 ON MAY 22	0.184B ON MAR 16	82 600	1978
1979	35.0 AT 20:25 MST ON MAY 26	26.1 ON MAY 26	---	---	1979
1980	30.9 AT 04:25 MST ON APR 30	24.0 ON APR 30	---	---	1980
1981	65.8 AT 23:20 MST ON MAY 25	45.2 ON MAY 26	---	---	1981
1982	20.6 AT 21:41 MST ON JUN 15	18.9 ON JUN 16	0.356B ON APR 6	62 100	1982
MEAN				83 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAM RIVER AT RAM GLACIER - STATION NO. 05DC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.274	0.197	---	---	---	---	---	1968
1969	---	---	---	---	---	---	0.240	0.263	0.069	---	---	---	---	1969
1970	---	---	---	---	---	---	0.510	0.420	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	0.485	---	---	---	---	---	1971
1972	---	---	---	---	---	0.191	0.226	0.421	0.054	---	---	---	---	1972
1973	---	---	---	---	---	0.043	0.162	0.166	0.042	---	---	---	---	1973
1974	---	---	---	---	---	0.220	0.265	0.182	0.053	---	---	---	---	1974
MEAN	---	---	---	---	---	0.151	0.280	0.305	0.055	---	---	---	---	MEAN

LOCATION - LAT 51 51 16 N, LONG 116 11 27 W — DRAINAGE AREA, 3.73 km^2 — NATURAL FLOW

RAM RIVER AT RAM GLACIER - STATION NO. 05DC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.816 AT 08:17 MST ON JUN 13	0.609 ON JUL 9	---	---	1968
1969	1.52 AT 15:27 MST ON AUG 24	0.597 ON AUG 24	0 ON SEP 27 *	---	1969
1970	2.49 AT 16:00 MST ON JUL 10 *	0.895 ON JUL 19 *	---	---	1970
1971	---	0.850 ON AUG 8	---	---	1971
1972	1.80 AT 01:00 MST ON AUG 30	0.646 ON AUG 6	---	---	1972
1973	---	0.487 ON JUL 21	---	---	1973
1974	---	---	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1967	---	---	---	4.21	26.8	44.0	18.8	10.6	6.71	5.42	---	---	---	1967
1968	---	---	---	3.45	19.2	31.5	32.6	23.7	15.1	12.2	---	---	---	1968
1969	---	---	---	11.1	34.7	41.7	69.8	25.2	13.2	9.29	---	---	---	1969
1970	---	---	2.74	3.70	25.9	54.2	26.9	9.23	7.26	6.23	---	---	---	1970
1971	---	---	2.75	7.84	28.9	66.1	21.9	10.1	7.43	6.40	---	---	---	1971
1972	---	---	3.37	4.93	26.0	96.0	44.6	22.3	25.8	19.8	---	---	---	1972
1973	---	---	2.84	5.81	58.7	48.7	29.1	15.4	13.6	8.49	---	---	---	1973
1974	---	---	2.51	10.2	42.3	65.5	35.4	17.7	12.7	11.6	---	---	---	1974
1975	---	---	2.09	2.77	14.5	21.6	17.3	11.0	7.05	5.44	3.90	3.31	---	1975
1976	2.85	2.89	3.21	5.80	15.2	17.3	20.1	23.1	12.4	6.88	4.16	3.96	9.85	1976
1977	3.29	2.83	2.36	6.34	36.1	35.8	20.2	21.9	18.9	11.6	5.31	4.13	14.1	1977
1978	3.43	2.79	3.20	7.88	30.8	72.9	44.6	28.1	30.4	15.0	6.91	5.91	21.0	1978
1979	3.61	3.16	3.43	7.82	24.3	25.9	14.6	11.5	8.25	6.14	3.61	4.62	9.78	1979
1980	2.66	2.64	3.95	12.3	26.8	89.4	29.5	18.8	17.1	12.2	6.37	5.10	18.9	1980
1981	4.05	3.77	4.02	5.08	45.8	24.5	94.5	43.9	13.7	10.1	7.47	4.07	22.0	1981
1982	2.69	2.96	2.57	8.79	10.0	42.7	55.0	14.6	11.0	10.3	6.73	4.75	14.4	1982
MEAN	3.23	3.01	3.00	6.75	29.1	48.6	35.9	19.2	13.8	9.82	5.56	4.48	15.7	MEAN

LOCATION - LAT 52 21 55 N DRAINAGE AREA, 1 860 km^2
LONG 115 25 33 W NATURAL FLOW

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	951 ON JUN 27 *	---	---	---	1915
1967	119 AT 04:30 MST ON MAY 31	101 ON MAY 31	---	---	1967
1968	65.1 AT 11:01 MST ON JUL 22	57.2 ON JUL 22	---	---	1968
1969	241 AT 06:42 MST ON JUL 6	227 ON JUL 6	---	---	1969
1970	303 AT 12:00 MST ON JUN 16	239 ON JUN 16	---	---	1970
1971	246 AT 10:00 MST ON JUN 6	203 ON JUN 6	---	---	1971
1972	470 AT 09:00 MST ON JUN 25	413 ON JUN 25 *	---	---	1972
1973	---	114 ON MAY 31	---	---	1973
1974	153 AT 03:50 MST ON JUN 17	115 ON JUN 17	---	---	1974
1975	39.1 AT 09:30 MST ON JUN 3	31.4 ON JUN 3	---	---	1975
1976	---	40.2A ON AUG 10	2.24 ON NOV 14	311 000	1976
1977	103 AT 06:00 MST ON JUN 2	88.9 ON JUN 2	1.44 ON APR 9 *	445 000	1977
1978	142 AT 10:30 MST ON JUN 6	122 ON JUN 6	2.70B ON FEB 13	664 000	1978
1979	90.6 AT 06:30 MST ON MAY 27	70.2 ON MAY 27	2.39 ON NOV 5	309 000	1979
1980	237 AT 06:45 MST ON JUN 5	223 ON JUN 5	2.30B ON JAN 25	597 000	1980
1981	342 AT 20:15 MST ON JUL 14	276 ON JUL 15	2.50B ON DEC 31	695 000	1981
1982	129 AT 08:43 MST ON JUL 6	126 ON JUL 6	2.05B ON APR 8	454 000	1982
				496 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	3.79	9.33	16.5	8.02	1.88	1.76	4.70	---	---	---	1972
1973	---	---	0.229	8.79	9.82	3.14	1.76	3.27	2.02	2.03	---	---	3.87	1973
1974	---	---	0.412	11.7	16.7	3.06	6.37	1.66	1.27	1.34	---	---	5.32	1974
1975	---	---	0.497	1.14	2.83	3.01	5.55	1.01	0.854	0.580	---	---	1.94	1975
1976	---	---	0.460	4.35	1.56	1.58	2.85	6.43	1.95	0.875	---	---	2.51	1976
1977	---	---	0.306	2.27	17.8	8.69	2.94	7.06	6.03	2.86	---	---	5.99	1977
1978	---	---	0.954	2.55	5.40	13.5	4.66	1.62	5.70	2.77	---	---	4.62	1978
1979	---	---	0.735	2.81	7.17	5.66	3.59	1.21	0.459	0.772	---	---	2.80	1979
1980	---	---	0.345	4.12	4.33	21.6	11.2	4.56	6.68	2.53	---	---	6.87	1980
1981	---	---	0.848	2.16	5.37	5.32	1.81	0.992	0.431	0.568	---	---	2.18	1981
1982	---	---	0.348	2.56	4.70	3.25	30.6	1.98	2.99	2.61	---	---	6.17	1982
MEAN	---	---	0.513	4.20	7.73	7.76	7.21	2.88	2.74	1.97	---	---	4.23	MEAN

LOCATION - LAT 53 08 17 N DRAINAGE AREA, 606 km^2
LONG 115 29 17 W NATURAL FLOW

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	76.7 AT 20:30 MST ON JUN 28	73.3 ON JUN 28	---	---	1972
1973	18.9 AT 15:40 MST ON APR 30	18.4 ON APR 30	0.190B ON MAR 16	82 000	1973
1974	36.5 AT 05:10 MST ON APR 29	36.2 ON APR 29	0.365B ON MAR 13	113 000	1974
1975	26.6 AT 08:30 MST ON JUL 1	25.5 ON JUL 1	0.450 ON AUG 17	41 000	1975
1976	10.8 AT 01:35 MST ON AUG 8	10.5 ON AUG 6	0.405B ON MAR 29	53 100	1976
1977	42.5 AT 13:45 MST ON MAY 31	41.3 ON MAY 31	0.161B ON MAR 1 *	127 000	1977
1978	28.9 AT 07:20 MST ON JUN 17	28.2 ON JUN 17	0.272B ON MAR 7	97 800	1978
1979	16.5B AT 07:00 MST ON APR 29	12.7B ON APR 29	0.300B ON MAR 10	59 300	1979
1980	64.9 AT 16:35 MST ON JUN 8	56.8 ON JUN 7	0.335B ON MAR 18	145 000	1980
1981	11.4 AT 16:00 MST ON JUN 2	11.2 ON JUN 2	0.198 ON SEP 16	46 200	1981
1982	111 AT 05:30 MST ON JUL 8 *	100 ON JUL 8 *	0.300B ON MAR 1	131 000	1982
				89 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	1.59	---	1.46	1.05	---	1971
1972	0.878	0.877	1.89	3.13	2.23	5.56	3.58	2.21	2.70	2.19	1.64	1.29	2.34	1972
1973	1.25	0.987	1.92	6.74	3.59	2.88	3.08	2.20	1.98	1.78	1.29	1.30	2.42	1973
1974	1.38	1.34	1.29	8.55	6.78	2.67	2.12	2.00	1.91	2.25	1.73	1.03	2.76	1974
1975	0.892	1.15	1.13	3.69	3.63	2.23	1.75	1.50	1.35	1.22	0.837	1.13	1.71	1975
1976	0.909	0.967	1.25	3.62	1.41	1.74	1.21	2.47	1.50	1.34	1.13	1.03	1.55	1976
1977	1.07	1.19	1.16	2.56	4.19	2.20	1.82	1.90	2.11	1.89	1.22	1.15	1.88	1977
1978	1.11	1.27	2.25	4.62	2.92	3.98	2.12	2.18	3.27	2.26	1.64	1.45	2.42	1978
1979	1.25	1.23	3.07	5.28	2.99	1.73	1.53	1.41	1.37	1.58	0.962	0.952	1.95	1979
1980	0.844	0.952	1.08	4.74	1.91	2.75	3.22	2.10	2.22	1.92	1.42	1.14	2.02	1980
1981	1.17	1.21	2.26	1.92	4.98	2.78	4.17	4.34	2.40	2.11	1.70	1.16	2.53	1981
1982	1.12	1.12	1.29	3.49	2.34	2.16	4.81	2.15	1.83	1.67	1.51	1.19	2.06	1982
MEAN	1.08	1.12	1.69	4.39	3.36	2.79	2.67	2.22	2.02	1.84	1.38	1.16	2.15	MEAN

LOCATION - LAT 52 05 20 N   DRAINAGE AREA, 647 km^2
LONG 114 28 35 W   NATURAL FLOW

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	34.3 AT 01:30 MST ON JUN 27 *	30.6 ON JUN 26 *	0.821B ON FEB 4	74 100	1972
1973	---	15.2 B ON APR 12	0.906B ON FEB 6	76 300	1973
1974	---	30.3 B ON APR 17	0.850B ON DEC 30	86 900	1974
1975	---	14.2 B ON APR 19	0.708B ON JAN 28 *	53 900	1975
1976	14.4 B AT 01:00 MST ON APR 11	13.3 B ON APR 10	0.708B ON JAN 26	48 900	1976
1977	12.1 AT 19:30 MST ON MAY 30	11.4 ON MAY 30	0.991B ON JAN 6	59 200	1977
1978	9.63B AT 10:00 MST ON APR 1	9.49B ON APR 1	1.10 B ON JAN 1	76 400	1978
1979	11.5 B AT 06:30 MST ON APR 20	10.9 B ON APR 20	0.900B ON NOV 2	61 500	1979
1980	22.3 B AT 09:00 MST ON APR 14	22.0 B ON APR 14	0.750B ON JAN 16	64 000	1980
1981	17.1 AT 09:10 MST ON AUG 1	16.3 ON AUG 1	1.00 B ON DEC 15	79 800	1981
1982	15.6 AT 11:35 MST ON JUL 6	15.2 ON JUL 6	0.980B ON JAN 21	65 100	1982
				67 800	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.339	0.105	0.040	0	0	0	0	0	0	0.060	1967
1968	---	---	0.081	0.013	0.003	0.009	0.067	0.022	0.005	0.018	---	---	0.027	1968
1969	---	---	0	1.23	0.012	0	0.053	0.002	0.013	---	---	---	---	1969
1970	---	---	0.033	0.527	---	---	---	---	---	---	---	---	---	1970
1976	---	---	---	---	---	---	0.005	0.005	0	0	---	---	---	1976
1977	---	---	0.004	0.085	0.025	0	0	0	0	0	---	---	0.014	1977
1978	---	---	0.099	0.117	0.021	0.049	0	0	0.018	0.009	---	---	0.039	1978
1979	---	---	0.182	0.060	0.025	0.007	0.001	0	0	0	---	---	0.035	1979
1980	---	---	0	0.063	0.002	0.008	0.004	0	0	0	---	---	0.009	1980
1981	---	---	0.051	0.008	0.054	0.001	0.005	0.023	0	0	---	---	0.018	1981
1982	---	---	0.001	0.360	0.003	0.003	0.047	0.005	0.002	0.004	---	---	0.052	1982
MEAN	---	---	0.045	0.280	0.028	0.013	0.018	0.006	0.004	0.003	0	0	0.032	MEAN

LOCATION - LAT 52 00 03 N   DRAINAGE AREA, 42.5 km^2
LONG 113 35 55 W   NATURAL FLOW

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.04 ON APR 16	0B ON MAR 1 *	1 270	1967
1968	1.01 AT 19:40 MST ON JUL 22	0.643 ON JUL 23	0 ON MAY 20	581	1968
1969	---	6.20 B ON APR 5 *	0B ON MAR 1	---	1969
1970	---	2.78 ON APR 5	0B ON MAR 1	---	1970
1976	0.082 AT 05:00 MST ON JUN 28	---	0 ON JUL 13	---	1976
1977	0.498 AT 13:30 MST ON APR 6	0.351 ON APR 6	0 ON MAR 1	298	1977
1978	1.44 AT 16:10 MST ON MAR 30	1.15 ON MAR 30	0B ON MAR 1	825	1978
1979	1.60 AT 11:00 MST ON MAR 12	0.875 ON MAR 12	0B ON MAR 1	731	1979
1980	0.430 AT 22:40 MST ON APR 13	0.354 ON APR 14	0B ON MAR 1	197	1980
1981	0.940 AT 10:30 MST ON MAY 7	0.767 ON MAY 7	0 ON MAY 25	379	1981
1982	2.97 AT 11:11 MST ON APR 14 *	2.14 ON APR 14	0B ON MAR 1	1 100	1982
				673	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	0.327	0.366	0.058	0.002	0.001	---	---	---	1927
1928	---	---	0.813	0.153	0.001	0.054	0.277	0	0	0	---	---	0.163	1928
1929	---	---	0.249	0.436	0.195	0.726	0	0	0	0	---	---	0.198	1929
1930	---	---	0.042	0.016	0.030	0	0	---	---	---	---	---	---	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.143	0	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.312	0.151	0.057	0.221	0.161	0.019	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 49 25 04 N
LONG 112 40 17 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	15.9 ON MAY 30 *	0 ON JUN 17 *	---	1927
1928	---	8.47 ON MAR 22	0 ON MAR 1	3 460	1928
1929	---	7.96 ON JUN 3	0B ON MAR 1	4 200	1929
1930	---	0.130 ON MAY 13	0 ON MAY 26	---	1930
1931	---	---	0B ON MAR 9	---	1931
1936	---	1.44 ON MAR 3	0 ON MAR 1	---	1936
				3 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0.200	0.221	0.725	0.999	0.706	0.374	---	---	0.463	1927
1928	---	---	---	0	0.498	0.886	0.231	0.539	1.04	0.129	---	---	0.473	1928
1929	---	---	---	0	0.038	0.380	0.930	1.22	1.14	0.530	---	---	0.608	1929
1930	---	---	---	0	0.608	1.80	1.92	1.56	1.03	0.215	---	---	1.02	1930
1931	---	---	---	0.113	1.48	1.79	1.80	1.98	1.44	0.298	---	---	1.28	1931
1932	---	---	---	0	0.458	0.649	1.87	1.72	0.904	0.680	---	---	0.903	1932
1933	---	---	---	0	0	2.35	2.53	2.51	1.15	0.586	---	---	1.30	1933
1934	---	---	---	0	2.09	1.25	1.83	2.03	1.38	0.324	---	---	1.28	1934
1935	---	---	---	0	0.287	2.11	3.17	1.97	1.19	0.592	---	---	1.33	1935
1936	---	---	---	0	0.882	2.21	2.06	1.48	1.23	0.195	---	---	1.15	1936
1937	---	---	---	0	0.922	1.29	2.48	1.75	1.17	0.082	---	---	1.10	1937
1938	---	---	---	0	0.561	2.63	2.54	1.92	1.38	0.523	---	---	1.37	1938
1939	---	---	---	0.529	2.07	0.556	1.67	1.62	1.40	0.581	---	---	1.21	1939
1940	---	---	---	0	0.415	2.20	2.22	1.36	1.38	0.618	---	---	1.17	1940
1941	---	---	---	0.064	1.43	0.821	1.77	1.62	1.20	0.492	---	---	1.06	1941
1942	---	---	---	0	0.727	0.416	0.913	1.62	1.13	0.552	---	---	0.769	1942
1943	---	---	---	0	0.711	2.01	2.67	2.87	1.61	1.15	---	---	1.58	1943
1944	---	---	---	0.285	1.97	1.70	2.21	1.61	1.29	1.23	---	---	1.47	1944
1945	---	---	---	0.029	0.174	0.836	1.90	1.41	1.36	0.650	---	---	0.911	1945
1946	---	---	---	0	2.22	1.16	2.26	1.69	1.37	0.780	0.224	---	1.36	1946
1947	---	---	---	0	0.156	0.616	1.89	1.59	0.922	0.830	0.005	---	0.862	1947
1948	---	---	---	0	0	0.357	1.07	2.01	1.40	0.710	---	---	0.796	1948
1949	---	---	---	0.108	1.04	1.17	2.30	2.44	1.48	0.717	---	---	1.33	1949
1950	---	---	---	0	0.241	2.13	1.74	2.48	2.13	0.809	---	---	1.36	1950
1951	---	---	---	0	0.109	0.260	0.534	1.74	0.240	0.484	---	---	0.485	1951
MEAN	---	---	---	0.045	0.771	1.27	1.81	1.75	1.23	0.565	0.115	---	1.07	MEAN

LOCATION - LAT 49 26 30 N
LONG 112 47 07 W REGULATED

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	1.23 ON AUG 2	0 ON APR 1 *	8 560	1927
1928	---	2.61 ON JUN 5	0 ON APR 1	8 780	1928
1929	---	2.18 ON OCT 23	0 ON APR 1	11 200	1929
1930	---	2.80 ON JUN 28	0 ON APR 1	18 800	1930
1931	---	3.71 ON AUG 1 *	0 ON APR 1	23 600	1931
1932	---	2.66 ON JUL 30	0 ON APR 1	16 700	1932
1933	---	3.34 ON JUN 26	0 ON APR 1	24 100	1933
1934	---	3.45 ON MAY 30	0 ON APR 1	23 600	1934
1935	---	3.60 ON JUL 1	0 ON APR 1	24 700	1935
1936	---	3.71A ON JUN 1	0 ON APR 1	21 300	1936
1937	---	3.40 ON JUL 7	0 ON APR 1	20 400	1937
1938	---	3.48A ON JUN 23	0 ON APR 1	25 200	1938
1939	---	2.86 ON MAY 18	0 ON APR 1	22 400	1939
1940	---	2.83 ON JUN 29	0 ON APR 1	21 700	1940
1941	---	2.35 ON JUL 29	0 ON APR 1	19 600	1941
1942	---	2.94 ON AUG 26	0 ON APR 1	14 200	1942
1943	---	3.40 ON AUG 7	0 ON APR 1	29 200	1943
1944	---	2.92A ON MAY 20	0 ON APR 1	27 300	1944
1945	---	2.44 ON JUL 13	0 ON APR 1	16 800	1945
1946	---	3.40 ON MAY 9	0 ON APR 1	25 200	1946
1947	---	2.58 ON JUL 18	0 ON APR 1	15 900	1947
1948	---	2.35 ON AUG 17	0 ON APR 1	14 700	1948
1949	---	2.94 ON AUG 2	0 ON APR 1	24 600	1949
1950	---	2.78 ON JUN 17	0 ON APR 1	25 200	1950
1951	---	2.35 ON AUG 11	0 ON APR 1	8 980	1951
				19 700	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN A - STATION NO. 05AG016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0	0.014	0	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0	0.014	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 42 34 N
LONG 112 26 14 W REGULATED

READYMADE DRAIN A - STATION NO. 05AG016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUL 20 *	0 ON APR 1 *	---	1971
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN B - STATION NO. 05AG017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	1971
MEAN	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	MEAN

LOCATION - LAT 49 42 18 N
LONG 112 25 42 W REGULATED

READYMADE DRAIN B - STATION NO. 05AG017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.298 ON JUL 13 *	0 ON MAY 14 *	---	1971
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN C - STATION NO. 05AG022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 28 N
LONG 112 23 35 W REGULATED

READYMADE DRAIN G - STATION NO. 05AG022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUN 14 *	0 ON APR 1 *	---	1971
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.218	0.452	0.233	0.246	0.027	---	---	---	1968
1969	---	---	---	---	0.151	0.408	0.130	0.304	0.545	0.022	---	---	---	1969
1970	---	---	---	---	0.188	0.401	0.696	0.222	0.386	0.068	---	---	---	1970
1971	---	---	---	0	0.123	0.194	0.717	0.324	0.078	0.062	---	---	---	1971
1972	---	---	---	0	0.113	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	0	0.144	0.305	0.499	0.271	0.314	0.085	---	---	---	MEAN

LOCATION - LAT 49 39 42 N
LONG 112 26 34 W REGULATED

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.869 ON JUL 29	0 ON JUN 15 *	---	1968
1969	---	0.937 ON JUN 18	0 ON APR 25	---	1969
1970	---	0.898 ON JUL 30	0 ON APR 29	---	1970
1971	---	0.954 ON JUL 22 *	0 ON APR 1	---	1971
1972	---	---	0 ON APR 1	---	1972
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE MINI INFLOW B - STATION NO. 05AG015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.031	0.026	0.044	0	0	---	---	---	1968
1971	---	---	---	0	0	0.038	0.092	0.024	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.035	0.059	0.034	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 24 N
LONG 112 26 39 W REGULATED

READYMADE MINI INFLOW B - STATION NO. 05AG015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.156 ON JUN 5	0 ON JUN 1 *	---	1968
1971	---	0.173 ON JUL 19 *	0 ON APR 1	---	1971
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	87.1	29.4	21.0	14.9	6.69	---	---	---	1967
1968	---	---	---	---	18.7	33.2	28.5	19.1	11.9	7.67	---	---	---	1968
1969	---	---	---	---	22.0	42.0	38.8	20.6	11.1	6.60	---	---	---	1969
1970	---	---	2.83	3.68	8.90	37.3	25.6	18.2	8.08	5.02	---	---	15.1	1970
1971	---	---	2.85	2.80	15.0	39.0	23.8	21.7	9.25	5.60	---	---	16.7	1971
1972	---	---	---	2.76	13.5	56.9	36.6	22.5	12.2	7.35	---	---	21.7	1972
1973	---	---	---	3.60	19.7	33.1	26.6	18.0	10.9	6.23	---	---	16.9	1973
1974	---	---	---	---	---	---	---	19.6	11.0	6.37	---	---	---	1974
1975	---	---	---	2.97	6.55	18.5	25.7	14.6	8.26	5.43	---	---	11.7	1975
1976	---	---	---	---	---	20.1	20.8	28.7	16.6	7.00	---	---	---	1976
1977	---	---	---	3.25	17.1	27.0	16.5	23.2	11.1	6.20	---	---	18.8	1977
1978	---	---	---	3.08	10.1	39.3	30.1	18.0	13.5	7.56	---	---	17.3	1978
1979	---	---	---	3.22	10.6	25.0	21.9	17.7	10.2	5.72	---	---	13.5	1979
1980	---	---	---	5.31	21.3	36.8	19.7	14.2	9.88	7.42	---	---	16.3	1980
1981	---	---	---	3.02	27.5	25.7	46.2	32.6	14.2	7.04	---	---	22.4	1981
1982	---	---	---	3.11	8.51	34.0	26.5	16.6	12.2	6.94	---	---	15.4	1982
MEAN	---	---	2.84	3.25	15.3	38.3	28.3	20.3	11.6	6.55	---	---	16.5	MEAN

LOCATION - LAT 51 39 33 N DRAINAGE AREA, 943 km²
LONG 115 24 23 W NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	62.6 AT 01:18 MST ON JUN 27	54.9 ON JUN 27	---	---	1968
1969	87.8 AT 01:59 MST ON JUN 5	80.7 ON JUL 4	---	---	1969
1970	154 AT 11:31 MST ON JUN 16 *	119 ON JUN 16 *	2.62B ON APR 27	279 000	1970
1971	88.1 AT 07:00 MST ON JUN 6	76.5 ON JUN 6	2.29B ON APR 2	309 000	1971
1972	103 AT 02:30 MST ON JUN 25	92.3 ON JUN 25	2.44B ON APR 13	401 000	1972
1973	100 AT 05:45 MST ON JUN 24	84.4 ON JUN 24	3.11B ON APR 1	312 000	1973
1974	---	---	---	---	1974
1975	47.9 AT 09:00 MST ON JUL 14	42.2 ON JUL 14	2.57 ON APR 8	217 000	1975
1976	52.4 AT 11:30 MST ON AUG 10	49.3 ON AUG 10	---	---	1976
1977	68.2 AT 00:30 MST ON JUN 9	60.9 ON JUN 8	2.45 ON APR 3	273 000	1977
1978	93.7 AT 05:50 MST ON JUN 6	80.7 ON JUN 6	2.27 ON APR 15 *	321 000	1978
1979	64.4 AT 07:00 MST ON MAY 27	52.5 ON MAY 27	2.67B ON APR 1	249 000	1979
1980	70.6 AT 05:00 MST ON JUN 17	60.3 ON JUN 17	2.44B ON APR 5	301 000	1980
1981	104 AT 08:05 MST ON MAY 26	94.7 ON MAY 26	2.43 ON APR 10	415 000	1981
1982	56.0 AT 03:42 MST ON JUN 15	48.5 ON JUN 15	2.59B ON APR 9	285 000	1982
MEAN				306 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	24.8	---	1915
1916	12.1	12.4	36.5	89.7	107	384	362	274	280	123	87.4	22.5	146	1916
1917	19.8	20.4	22.7	218	378	322	117	62.4	54.6	37.6	30.5	12.1	108	1917
1918	13.5	11.6	70.7	92.9	50.5	107	53.2	87.4	31.1	25.8	15.9	6.69	44.6	1918
1919	4.67	5.86	7.83	78.7	71.8	54.3	39.0	59.0	45.0	18.8	10.6	6.43	33.1	1919
1920	6.87	7.86	10.1	243	404	113	128	45.1	24.5	17.8	9.24	6.15	84.9	1920
1921	4.89	5.43	8.02	92.0	78.3	74.3	53.4	37.0	19.4	14.2	8.06	4.45	33.4	1921
1922	2.77	3.12	4.61	99.9	80.0	70.4	56.5	54.9	30.8	16.7	5.74	2.23	32.1	1922
1923	3.07	3.38	4.80	35.2	89.7	370	153	---	---	---	---	---	---	1923
1924	---	---	9.23	51.4	89.3	105	78.8	---	---	---	---	---	---	1924
1925	---	---	---	169	48.8	98.6	50.4	---	---	---	---	---	---	1925
1926	---	---	102	92.0	36.9	110	68.0	---	---	---	---	---	---	1926
1927	---	---	---	282	123	181	175	---	---	---	---	---	---	1927
1928	---	---	---	168	72.8	605	257	---	---	---	---	---	---	1928
1929	---	---	15.4	39.5	80.9	175	82.8	---	---	---	---	---	---	1929
1930	---	---	19.7	51.1	87.4	101	65.2	---	---	---	---	---	---	1930
1931	---	---	8.00	24.5	---	---	---	---	---	---	---	---	---	1931
1959	---	---	---	42.6	40.4	127	102	55.7	39.6	34.1	13.2	10.6	---	1959
1960	7.50	9.59	71.8	99.8	70.2	68.0	70.5	42.5	20.2	18.1	8.26	5.81	41.1	1960
1961	7.25	6.86	23.2	29.1	63.8	70.1	34.2	47.9	23.0	19.3	16.0	4.68	28.9	1961
1962	6.64	7.56	16.8	69.2	81.3	60.6	66.1	52.3	35.0	19.0	11.6	7.93	33.6	1962
1963	3.98	8.56	33.5	80.5	44.6	92.2	116	65.2	36.2	22.3	9.22	10.2	44.4	1963
1964	9.20	10.1	8.65	37.6	123	176	115	36.9	38.8	35.3	16.2	7.13	51.1	1964
1965	9.60	10.1	25.6	243	80.1	224	317	99.1	105	62.9	30.4	19.7	102	1965
1966	13.5	14.6	37.2	113	83.4	106	182	72.5	39.5	33.8	13.6	12.5	56.9	1966
1967	13.8	10.7	13.1	83.6	136	224	77.2	45.2	24.7	22.5	13.3	8.78	56.1	1967
1968	8.70	9.00	21.7	25.8	33.3	79.8	77.0	64.4	38.0	42.7	21.1	8.88	35.9	1968
1969	9.79	9.11	8.41	187	94.8	98.2	252	64.2	41.1	31.0	17.1	9.43	68.8	1969
1970	6.11	7.55	12.2	104	66.8	170	113	38.7	27.3	20.8	11.9	8.01	48.7	1970
1971	9.05	8.98	11.6	308	71.7	128	75.1	38.9	25.0	20.0	12.5	8.39	59.5	1971
1972	9.97	8.95	32.8	79.5	61.0	174	183	66.9	45.3	32.9	20.1	9.18	57.0	1972
1973	12.0	10.2	37.3	140	116	132	98.2	65.7	42.7	26.8	16.3	11.4	58.9	1973
1974	10.4	10.9	11.8	302	205	153	89.3	52.5	36.7	29.8	16.2	11.1	77.3	1974
1975	8.90	7.33	9.33	82.1	85.8	53.2	49.9	37.1	22.3	18.0	10.9	6.74	32.7	1975
1976	7.63	7.76	32.3	53.5	37.7	89.1	47.2	80.5	38.3	21.8	12.3	8.17	33.1	1976
1977	8.12	8.80	10.6	37.1	81.8	77.8	35.3	49.4	40.7	30.4	10.9	7.11	33.3	1977
1978	8.07	7.63	20.8	90.3	76.0	132	78.0	56.7	60.2	34.9	14.7	11.4	50.1	1978
1979	7.10	5.37	28.1	52.4	64.8	64.1	67.8	37.1	26.5	18.3	8.19	8.56	30.8	1979
1980	5.36	5.51	5.46	79.9	53.9	166	87.6	49.6	47.3	30.0	16.6	11.1	46.5	1980
1981	10.6	13.3	31.6	32.4	150	108	158	187	50.0	30.6	22.9	10.2	67.6	1981
1982	4.86	5.69	10.1	118	63.8	97.3	188	58.0	42.1	38.0	14.0	8.85	53.6	1982
MEAN	8.68	8.84	23.6	105	94.6	161	189	65.9	46.2	30.5	15.8	9.72	55.0	MEAN

LOCATION - LAT 51 28 08 N DRAINAGE AREA, 24 800 km²
LONG 112 42 30 W REGULATED SINCE 1983

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	---	---	1915
1916	---	852 ON AUG 21	9.85B ON JAN 28	4 620 000	1916
1917	---	906 ON MAY 18	9.63B ON DEC 25	3 410 000	1917
1918	---	318 B ON MAR 25	4.70B ON DEC 28	1 410 000	1918
1919	---	177 ON MAY 12	4.30B ON JAN 23	1 050 000	1919
1920	---	1 120 ON MAY 10	3.00B ON DEC 27	2 680 000	1920
1921	---	243 ON APR 18	3.11B ON DEC 31	1 050 000	1921
1922	---	142 ON MAY 4	1.53B ON DEC 13 *	1 010 000	1922
1923	1 220 AT 10:00 MST ON JUN 3 *	1 130 ON JUN 3 *	2.41B ON JAN 5	---	1923
1924	178 AT 16:40 MST ON JUL 3	176 ON JUL 3	---	---	1924
1925	328B AT 16:25 MST ON APR 9	326 B ON APR 9	---	---	1925
1926	---	---	---	---	1926
1927	---	731 ON APR 15	---	---	1927
1928	1 060 AT 19:00 MST ON JUN 9	878 ON JUN 10	---	---	1928
1929	1 010 AT 01:00 MST ON JUN 5	818 ON JUN 5	---	---	1929
1930	---	131 ON JUN 4	---	---	1930
1931	---	---	---	---	1931
1959	507 AT 07:40 MST ON JUN 29	481 ON JUN 29	---	---	1959
1960	---	326 B ON MAR 28	2.72B ON JAN 8	1 300 000	1960
1961	139 AT 17:20 MST ON MAY 30	133 ON MAY 30	2.21B ON DEC 18	911 000	1961
1962	---	91.2 ON APR 17	3.40B ON JAN 11	1 060 000	1962
1963	---	164 A ON JUL 19	2.12B ON JAN 19	1 400 000	1963
1964	---	476 ON MAY 9	3.91 ON NOV 25	1 620 000	1964
1965	742 AT 12:00 MST ON JUN 20	671 ON JUN 20	8.41B ON JAN 1	3 230 000	1965
1966	---	456 ON JUL 5	7.93B ON DEC 18	1 790 000	1966
1967	680 AT 04:50 MST ON JUN 2	595 ON JUN 2	7.36B ON NOV 26	1 770 000	1967
1968	---	131 ON JUN 11	6.09B ON DEC 31	1 180 000	1968
1969	---	643 ON JUL 8	7.19B ON NOV 21	2 170 000	1969
1970	883 AT 12:00 MST ON JUN 18	801 ON JUN 18	4.05B ON JAN 16	1 540 000	1970
1971	---	742 A ON APR 16	6.65B ON NOV 30	1 880 000	1971
1972	648 AT 11:30 MST ON JUN 27	614 ON JUN 27	3.51B ON DEC 12	1 800 000	1972
1973	436 AT 02:00 MST ON APR 4	286 ON APR 4	7.14B ON JAN 13	1 860 000	1973
1974	773B AT 20:30 MST ON APR 16	677 ON APR 21	7.33B ON DEC 22	2 440 000	1974
1975	---	334 ON APR 22	5.24B ON DEC 6	1 030 000	1975
1976	202 AT 20:30 MST ON APR 11	144 ON AUG 12	6.68B ON MAR 7	1 050 000	1976
1977	---	162 A ON JUN 1	4.47B ON NOV 21	1 050 000	1977
1978	220 AT 07:10 MST ON JUN 10	205 ON JUN 8	6.80B ON MAR 3	1 580 000	1978
1979	---	123 ON APR 25	4.59B ON FEB 14	972 000	1979
1980	282 AT 02:30 MST ON JUN 7	276 ON JUN 7	4.90B ON MAR 7	1 470 000	1980
1981	786 AT 21:10 MST ON AUG 1	673 ON AUG 2	7.00B ON DEC 31	2 130 000	1981
1982	500 AT 00:55 MST ON JUL 8	465 ON JUL 8	4.30B ON FEB 6	1 690 000	1982
				1 740 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	6.83	7.77	---	54.4	112	112	286	141	128	75.3	36.5	16.8	---	1912
1913	11.8	11.2	11.6	110	116	140	148	93.0	50.6	34.6	23.4	9.26	63.6	1913
1914	7.88	8.42	10.8	25.6	54.0	104	66.6	37.1	31.1	40.8	22.2	9.28	38.9	1914
1915	7.88	7.68	17.2	35.4	126	349	474	230	112	83.1	33.8	14.7	125	1915
1916	11.8	10.6	23.5	60.0	102	328	237	213	204	96.6	51.9	23.9	118	1916
1917	17.3	13.5	18.2	118	257	252	104	58.7	52.2	41.8	29.9	11.5	81.1	1917
1918	12.9	10.9	39.9	80.6	53.7	102	52.6	50.1	37.8	27.6	14.7	7.78	40.9	1918
1919	9.69	7.69	6.99	44.2	58.5	51.8	39.0	56.3	32.7	18.7	10.4	5.97	28.6	1919
1920	6.25	6.33	8.21	87.6	260	97.9	125	46.8	23.1	15.9	8.41	5.61	57.9	1920
1921	5.79	4.94	5.06	68.5	74.7	74.7	51.5	37.1	19.7	15.8	8.69	4.82	31.0	1921
1922	3.72	4.35	4.90	13.9	85.4	74.6	50.8	60.6	30.4	17.9	9.67	3.82	30.2	1922
1923	4.03	3.76	4.51	24.7	43.8	366	138	127	55.3	31.6	16.3	11.2	68.9	1923
1924	8.66	10.4	17.0	52.4	82.9	106	85.4	88.2	36.7	23.8	13.8	9.11	44.6	1924
1925	8.44	8.11	10.7	107	48.2	96.8	54.4	83.4	82.5	79.9	34.3	18.0	52.7	1925
1926	13.7	14.2	73.2	70.4	35.5	91.5	66.0	40.6	293	111	50.7	24.9	73.7	1926
1927	14.1	12.5	16.2	121	109	179	155	116	105	66.2	27.2	14.2	78.1	1927
1928	15.3	16.3	48.9	75.3	60.6	392	226	68.3	38.5	27.1	14.2	11.5	82.7	1928
1929	8.35	7.31	14.0	26.1	75.7	181	38.2	32.5	24.3	15.6	10.5	7.13	36.7	1929
1930	6.38	9.56	17.6	50.6	48.7	103	63.0	38.6	27.9	17.7	12.0	7.05	33.6	1930
1931	4.95	5.89	7.59	16.2	31.2	69.8	84.3	---	---	---	---	---	---	1931
1932	---	---	---	---	98.6	252	69.4	46.2	37.0	24.0	17.2	10.7	---	1932
1933	10.3	6.32	8.88	53.8	132	91.6	---	---	---	---	---	---	---	1933
1935	---	---	---	22.9	41.1	97.2	112	64.9	28.5	18.4	10.3	6.39	---	1935
1936	7.05	5.30	6.63	96.7	61.5	91.7	35.0	29.0	20.4	13.4	7.56	2.79	30.5	1936
1937	3.00	2.91	6.86	21.7	29.3	71.9	48.6	38.0	30.1	28.0	14.2	7.97	25.3	1937
1938	8.08	4.97	12.0	25.8	59.3	106	107	43.7	34.2	20.1	9.20	5.94	36.5	1938
1939	6.10	5.30	15.3	22.9	28.2	197	94.7	35.3	24.7	20.1	17.3	9.99	39.7	1939
1940	5.19	5.25	8.78	108	86.4	51.2	46.7	30.7	31.6	18.1	10.7	8.52	34.2	1940
1941	6.42	7.05	16.2	19.4	15.0	36.8	40.8	49.5	36.7	25.3	12.5	7.46	22.9	1941
1942	5.64	4.67	4.62	12.8	55.3	105	160	91.7	82.2	40.0	26.2	14.6	50.5	1942
1943	8.00	8.48	19.9	184	57.0	139	102	52.4	27.9	20.3	11.3	7.52	53.1	1943
1944	6.29	6.03	15.0	31.0	51.5	191	93.0	152	48.7	33.7	18.4	10.1	54.8	1944
1945	8.52	8.80	11.9	28.7	105	114	86.2	59.9	50.3	48.2	22.9	15.6	46.9	1945
1946	13.8	11.8	38.5	68.1	49.1	176	91.8	46.6	52.3	30.6	13.7	11.8	50.1	1946
1947	12.5	9.66	30.8	110	124	146	76.1	43.5	61.0	55.7	27.4	19.0	59.8	1947
1948	12.6	9.62	9.67	142	383	155	79.3	69.9	32.1	21.2	15.8	8.30	78.5	1948
1949	7.64	7.72	8.71	36.3	35.1	37.4	37.8	29.2	17.6	14.8	11.9	5.92	20.9	1949
1950	4.03	4.78	5.72	27.5	38.3	81.8	65.4	39.6	21.9	14.2	7.76	5.85	26.5	1950
1951	6.10	5.42	7.13	37.1	100	116	134	78.4	127	51.1	38.0	24.0	60.3	1951
1952	16.1	13.8	23.9	205	62.7	243	116	66.2	38.4	27.2	22.7	8.72	70.0	1952
1953	6.98	11.5	13.7	87.9	108	260	138	82.8	47.0	25.9	18.1	10.2	64.3	1953
1954	10.1	13.7	12.9	64.2	192	241	103	252	182	74.5	45.2	19.6	101	1954
1955	11.4	14.2	15.6	165	155	111	98.4	40.9	29.6	22.6	8.00	7.26	56.7	1955
1956	8.90	8.85	19.1	99.2	66.8	92.7	80.8	42.5	27.8	16.1	13.1	8.20	40.3	1956
1957	8.98	6.67	12.6	59.6	80.0	64.4	35.8	29.1	25.2	21.0	16.6	10.6	30.9	1957
1958	9.47	8.94	9.26	89.9	83.2	85.0	106	43.4	30.0	17.8	10.4	9.15	42.0	1958
1959	7.11	7.47	7.68	19.2	37.4	120	82.0	43.4	29.9	25.4	22.7	11.4	34.6	1959
1960	8.82	9.98	62.7	73.2	71.8	66.6	63.3	34.1	19.7	16.7	11.8	7.85	37.3	1960
1961	7.71	6.91	15.3	16.7	68.1	67.1	37.9	49.2	22.8	21.3	16.3	5.11	28.0	1961
1962	5.95	8.53	13.0	28.5	48.0	66.4	61.1	49.5	30.8	18.7	12.2	6.72	29.2	1962
1963	5.36	11.1	18.1	50.8	38.0	87.2	108	56.7	35.2	20.4	11.8	9.00	37.8	1963
1964	6.27	7.58	7.78	26.7	108	165	104	33.9	33.7	27.6	15.1	5.46	45.2	1964
1965	9.09	9.71	13.7	139	62.3	222	266	88.0	102	54.1	28.1	14.7	84.4	1965
1966	12.5	13.5	22.6	74.7	76.2	94.8	128	66.3	36.8	31.6	15.9	11.2	48.9	1966
1967	10.3	11.6	10.9	46.9	113	193	65.1	37.7	23.4	15.3	7.54	7.72	45.2	1967
1968	6.79	8.53	23.8	22.2	33.2	76.6	57.1	58.0	32.9	34.6	17.5	9.33	31.8	1968
1969	9.55	10.6	10.8	109	97.8	124	218	57.9	34.6	26.5	20.3	12.3	61.2	1969
1970	7.13	8.61	13.2	58.1	60.2	168	107	38.6	22.1	17.7	9.00	8.64	43.3	1970
1971	8.89	9.11	9.42	145	58.3	126	68.9	40.2	23.7	18.6	13.4	4.87	43.8	1971
1972	6.64	6.95	26.5	56.2	53.9	169	121	59.6	42.3	31.4	19.1	6.61	50.0	1972
1973	10.1	10.7	33.9	97.2	107	118	74.4	52.2	33.5	21.4	15.9	11.5	48.6	1973
1974	9.09	10.5	9.55	112	143	138	75.0	44.3	30.3	25.0	15.0	7.21	51.6	1974
1975	7.53	7.81	8.83	50.7	55.6	49.0	47.7	35.1	19.5	14.9	8.70	6.72	26.1	1975
1976	7.38	8.05	8.49	30.3	36.4	44.7	44.2	66.0	33.4	18.5	12.3	9.54	26.7	1976
1977	9.56	9.81	8.41	26.1	73.8	65.5	32.4	44.8	36.9	27.0	10.2	6.56	29.4	1977
1978	7.73	7.54	13.4	58.3	67.0	112	74.2	52.0	49.3	29.6	15.7	12.6	41.7	1978
1979	7.56	6.80	26.3	42.1	58.8	58.7	42.2	32.9	21.7	15.0	7.61	5.07	27.2	1979
1980	4.87	5.89	6.66	50.1	50.5	147	63.4	40.5	48.9	25.8	14.6	10.7	38.9	1980
1981	10.3	8.38	19.8	23.1	141	95.5	160	189	44.0	28.0	16.6	6.42	59.1	1981
1982	5.28	7.42	7.26	81.2	52.5	99.0	135	40.6	30.2	29.0	12.0	6.69	42.3	1982
MEAN	8.54	8.62	16.2	64.6	83.5	133	101	65.3	49.5	31.4	17.7	9.9[illegible]	49.0	MEAN

LOCATION - LAT 52 16 35 N   DRAINAGE AREA, 11 600 km²
LONG 113 48 45 W   REGULATED SINCE 1983

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	382 ON JUN 29	2.97B ON DEC 27	2 010 000	1913
1914	---	157 ON JUN 14	5.52B ON JAN 1	1 100 000	1914
1915	1 930 AT 21:20 MST ON JUN 27 *	1 590 ON JUN 27 *	6.80B ON JAN 26	3 950 000	1915
1916	---	705 ON AUG 20	8.78B ON FEB 15	3 590 000	1916
1917	---	634 ON MAY 17	8.89B ON DEC 1	2 560 000	1917
1918	---	196 ON JUN 11	5.69B ON DEC 22	1 290 000	1918
1919	---	130 ON AUG 6	5.10B ON DEC 9	901 000	1919
1920	---	716 ON MAY 9	4.45B ON DEC 12	1 830 000	1920
1921	---	222 B ON APR 16	2.92B ON DEC 21	979 000	1921
1922	---	157 ON MAY 2	1.81B ON DEC 7 *	951 000	1922
1923	1 130 AT 17:00 MST ON JUN 2	985 ON JUN 2	3.45B ON MAR 4	2 170 000	1923
1924	---	178 ON JUN 30	6.54B ON DEC 23	1 410 000	1924
1925	362 B AT 08:30 MST ON APR 7	340 B ON APR 6	7.59B ON JAN 29	1 660 000	1925
1926	617 AT 17:45 MST ON SEP 11	612 ON SEP 11	12.6 B ON JAN 21	2 320 000	1926
1927	---	300 ON APR 17	12.4 B ON FEB 1	2 460 000	1927
1928	1 030 ON JUN 9	980 ON JUN 9	10.0 B ON DEC 31	2 620 000	1928
1929	1 210 AT 05:00 MST ON JUN 4	968 ON JUN 4	6.12B ON DEC 12	1 160 000	1929
1930	---	172 ON JUN 9	5.38B ON DEC 30	1 060 000	1930
1931	---	190 ON JUL 6	2.41B ON JAN 11	---	1931
1932	---	1 040 ON JUN 3	---	---	1932
1933	---	---	4.59B ON FEB 27	---	1933
1935	---	211 ON JUL 2	---	---	1935
1936	---	382 ON APR 18	1.95B ON DEC 6	965 000	1936
1937	---	189 ON JUN 16	2.46B ON FEB 7	797 000	1937
1938	337 ON JUL 3	283 ON JUL 3	4.22B ON MAR 2	1 150 000	1938
1939	626 AT 10:00 MST ON JUN 18	580 ON JUN 18	4.33B ON MAR 10	1 250 000	1939
1940	---	221 ON APR 17	3.88B ON JAN 24	1 080 000	1940
1941	---	144 ON AUG 26	5.24B ON MAR 14	721 000	1941
1942	---	527 ON JUL 13	3.45B ON APR 3	1 590 000	1942
1943	---	532 ON APR 11	5.58B ON NOV 25	1 670 000	1943
1944	---	561 ON AUG 1	5.47B ON MAR 4	1 730 000	1944
1945	---	229 ON MAY 27	6.00B ON JAN 1	1 480 000	1945
1946	---	300 ON JUN 9	11.0 B ON FEB 28	1 590 000	1946
1947	549 AT 11:45 MST ON MAY 11	538 ON MAY 11	8.67B ON FEB 28	1 880 000	1947
1948	---	682 ON MAY 9	7.56B ON DEC 13	2 490 000	1948
1949	74.5 AT 16:45 MST ON APR 12	74.5 ON APR 12	3.96B ON DEC 23	658 000	1949
1950	249 AT 11:00 MST ON JUN 16	232 ON JUN 16	3.85B ON JAN 6	836 000	1950
1951	---	377 ON SEP	4.67B ON MAR 20	1 900 000	1951
1952	1 170 E AT 10:00 MST ON JUN 24	1 070 E ON JUN 24	7.31B ON DEC 31	2 220 000	1952
1953	680 AT 18:00 MST ON JUN 6	612 ON JUN 6	5.66B ON JAN 23	2 030 000	1953
1954	1 480 AT 18:00 MST ON AUG 26	1 210 ON AUG 26	6.23B ON JAN 5	3 190 000	1954
1955	---	340 B ON APR 7	5.01B ON NOV 1	1 790 000	1955
1956	---	286 B ON APR 13	3.14B ON DEC 8	1 280 000	1956
1957	---	112 ON APR 18	5.75B ON MAR 1	975 000	1957
1958	261 AT 08:00 MST ON APR 11	254 ON APR 11	5.41B ON DEC 11	1 320 000	1958
1959	484 AT 18:00 MST ON JUN 28	453 ON JUN 28	5.49B ON MAR 29	1 090 000	1959
1960	---	326 B ON MAR 26	4.81B ON NOV 30	1 180 000	1960
1961	---	131 ON MAY 28	4.53B ON DEC 19	884 000	1961
1962	---	104 ON MAY 21	4.25B ON DEC 24	923 000	1962
1963	---	174 ON JUL 26	2.89B ON JAN 13	1 190 000	1963
1964	---	382 ON MAY 8	5.10B ON NOV 27	1 430 000	1964
1965	---	731 ON JUN 19	4.81B ON DEC 31	2 660 000	1965
1966	---	459 ON JUL 4	5.10B ON JAN 1	1 540 000	1966
1967	544 AT 06:00 MST ON JUN 1	504 ON JUN 1	6.46 ON NOV 13	1 430 000	1967
1968	---	121 ON JUN 10	5.66B ON JAN 9	1 010 000	1968
1969	640 AT 16:14 MST ON JUL 7	609 ON JUL 7	6.37B ON JAN 1	1 930 000	1969
1970	966 AT 14:01 MST ON JUN 17	841 ON JUN 17	4.96B ON NOV 25	1 360 000	1970
1971	382 AT 16:30 MST ON APR 15	328 ON APR 15	2.78B ON DEC 13	1 380 000	1971
1972	685 AT 11:30 MST ON JUN 26	648 ON JUN 26	3.54B ON DEC 3	1 580 000	1972
1973	271 AT 06:30 MST ON MAY 28	264 ON MAY 28	9.68B ON JAN 1	1 530 000	1973
1974	289 AT 22:30 MST ON APR 19	283 ON APR 20	5.27B ON DEC 24	1 630 000	1974
1975	---	210 B ON APR 30	4.96B ON JAN 17	623 000	1975
1976	135 AT 14:25 MST ON AUG 11	130 ON AUG 11	6.80B ON JAN 11	864 000	1976
1977	142 AT 07:30 MST ON JUN 3	129 ON JUN 3	3.28B ON NOV 24	927 000	1977
1978	194 AT 08:50 MST ON JUN 7	185 ON JUN 7	6.82B ON MAR 2	1 320 000	1978
1979	126 AT 10:15 MST ON MAY 28	114 ON MAY 28	4.30B ON NOV 29	857 000	1979
1980	252 AT 07:30 MST ON JUN 6	247 ON JUN 6	4.00B ON JAN 9	1 230 000	1980
1981	684 AT 21:10 MST ON JUL 31	557 ON AUG 1	4.30B ON DEC 30	1 860 000	1981
1982	281 AT 01:07 MST ON JUL 6	269 ON JUL 6	3.45B ON JAN 5	1 330 000	1982
				1 550 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	5.72	5.45	5.56	8.63	55.4	77.4	49.2	31.5	22.0	12.5	9.07	7.14	24.2	1973
1974	4.55	6.19	7.49	---	---	110	58.3	36.4	22.5	12.4	6.83	5.71	---	1974
1975	4.29	4.33	4.69	7.50	20.0	38.6	43.2	26.9	15.1	10.5	6.56	4.90	15.6	1975
1976	4.25	5.09	4.63	6.02	30.5	36.0	44.4	53.1	20.7	13.2	7.70	4.21	19.9	1976
1977	5.05	5.83	4.86	6.94	25.1	44.8	25.4	33.1	21.2	14.4	6.29	3.60	16.6	1977
1978	5.01	4.53	4.56	7.85	24.9	78.6	53.7	33.0	26.7	14.5	8.67	5.30	22.3	1978
1979	5.11	4.82	3.67	6.70	24.0	43.3	32.4	25.5	16.5	10.4	7.37	3.40	15.3	1979
1980	3.52	4.05	4.02	10.2	38.2	79.0	31.3	23.8	19.9	14.0	9.45	7.01	20.4	1980
1981	5.79	5.25	4.89	6.04	65.4	56.3	98.4	67.1	25.8	14.6	8.90	6.30	30.7	1981
1982	5.40	4.53	3.63	5.62	17.9	63.1	47.1	26.7	21.6	13.5	7.24	7.40	18.7	1982
MEAN	4.87	5.01	4.80	7.28	33.5	62.7	48.3	35.7	22.0	13.0	7.81	5.73	20.4	MEAN

LOCATION - LAT 51 39 02 N DRAINAGE AREA, 2 250 km²
LONG 115 01 00 W NATURAL FLOW

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	193 AT 07:30 MST ON JUN 24	159 ON JUN 24	5.10B ON FEB 25	764 000	1973
1974	311 AT 04:10 MST ON JUN 17 *	250 ON JUN 17 *	2.36B ON JAN 11	---	1974
1975	75.6 AT 12:00 MST ON JUL 14	66.0 ON JUL 14	2.29B ON MAR 8 *	493 000	1975
1976	103 AT 07:00 MST ON AUG 5	98.0 ON AUG 10	3.14 ON DEC 4	629 000	1976
1977	111 AT 02:30 MST ON JUN 9	98.3 ON JUN 8	3.40B ON NOV 22	524 000	1977
1978	194 AT 05:50 MST ON JUN 6	162 ON JUN 6	4.39B ON FEB 1	705 000	1978
1979	119 AT 07:00 MST ON MAY 27	98.8 ON MAY 27	2.32B ON DEC 17	483 000	1979
1980	139 AT 04:00 MST ON JUN 11	120 ON JUN 11	3.25B ON JAN 25	645 000	1980
1981	263 AT 11:35 MST ON JUL 30	217 ON JUL 30	2.90B ON APR 11	968 000	1981
1982	99.1 AT 05:04 MST ON JUN 15	86.8 ON JUN 15	3.00B ON APR 2	590 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		645 000	MEAN

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	---	---	22.9	13.4	5.70	---	1960
1961	7.18	6.11	25.1	34.8	56.2	90.7	46.1	67.2	33.8	31.6	18.5	5.24	35.8	1961
1962	4.15	6.05	9.79	80.6	45.3	84.5	81.7	69.1	47.1	28.9	16.1	4.94	39.9	1962
1963	3.22	6.50	46.5	92.8	48.1	110	123	90.9	47.2	31.5	14.6	5.71	51.9	1963
1964	6.11	6.18	8.61	46.2	111	186	113	54.4	44.5	42.1	21.4	8.44	54.0	1964
1965	8.12	7.16	19.6	277	112	247	352	113	122	93.9	42.6	23.9	119	1965
1966	12.1	10.4	122	189	77.9	131	179	93.4	49.9	43.7	21.2	9.47	78.6	1966
1967	12.1	9.47	13.7	138	181	230	97.2	58.2	35.0	32.0	19.1	6.19	69.4	1967
1968	4.54	5.93	32.9	31.1	34.3	86.9	93.8	80.7	48.3	49.1	22.2	8.57	41.7	1968
1969	7.83	7.72	7.37	244	105	105	289	84.0	53.2	40.1	15.4	12.2	81.1	1969
1970	6.57	5.83	12.1	130	69.7	205	148	58.4	39.6	33.2	15.1	6.27	60.8	1970
1971	6.36	7.90	14.2	362	91.2	149	86.5	60.0	36.9	30.8	12.9	8.12	71.9	1971
1972	3.61	4.45	40.1	88.9	62.0	153	168	89.4	58.5	39.6	18.6	4.52	60.9	1972
1973	9.87	8.90	25.6	152	107	164	109	71.6	58.0	31.5	15.1	10.7	63.6	1973
1974	8.52	8.40	9.95	290	248	170	110	65.5	48.5	40.3	16.3	10.0	85.6	1974
1975	6.80	6.18	6.53	74.0	111	62.6	66.3	52.3	33.3	26.6	12.4	5.64	38.8	1975
1976	6.00	7.60	28.8	68.2	34.6	63.1	64.3	98.3	47.5	32.5	13.6	5.61	39.2	1976
1977	4.88	6.86	15.9	40.4	72.9	88.2	44.1	51.0	46.2	39.8	13.9	6.22	36.0	1977
1978	6.96	6.24	13.3	108	78.9	134	89.7	70.6	72.8	43.3	16.7	10.7	54.3	1978
1979	4.97	4.16	20.6	45.9	59.9	67.2	58.7	42.9	32.2	20.9	11.8	5.96	31.4	1979
1980	3.65	3.63	8.48	105	52.1	172	97.2	62.5	51.4	38.7	23.1	8.62	52.0	1980
1981	10.6	12.8	38.6	41.9	137	134	154	209	60.4	45.5	27.5	8.12	73.8	1981
1982	2.95	4.72	8.48	112	76.1	105	224	79.9	55.5	49.9	18.2	6.57	62.3	1982
MEAN	6.69	6.96	24.0	125	89.6	134	127	78.3	51.0	38.6	18.2	8.15	59.2	MEAN

LOCATION - LAT 50 54 10 N DRAINAGE AREA, 44 700 km^2
LONG 110 17 50 W REGULATED SINCE 1908

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	199 AT 23:00 MST ON JUN 1	170 ON JUN 2	2.49B ON DEC 21	1 120 000	1961
1962	146 AT 10:00 MST ON JUL 15	132 ON JUL 15	2.89B ON JAN 22	1 260 000	1962
1963	---	202 ON JUN 25	2.66B ON JAN 13	1 630 000	1963
1964	---	399 ON JUN 23	4.47B ON JAN 14	1 710 000	1964
1965	---	699A ON APR 16	5.83B ON MAR 6	3 740 000	1965
1966	544 AT 02:00 MST ON JUL 8	510 ON JUL 8	7.90B ON MAR 1	2 480 000	1966
1967	487 AT 05:00 MST ON JUN 4	464 ON JUN 4	4.67B ON DEC 31	2 190 000	1967
1968	140 AT 02:00 MST ON JUL 3	130 ON JUN 15	3.54B ON JAN 14	1 320 000	1968
1969	---	835 ON APR 10	7.19B ON MAR 14	2 560 000	1969
1970	---	878A ON JUN 20 *	4.05B ON JAN 28	1 920 000	1970
1971	869 AT 01:30 MST ON APR 16	779 ON APR 17	4.11B ON DEC 31	2 270 000	1971
1972	558 AT 09:20 MST ON JUN 29	513 ON JUN 29	2.86B ON DEC 3	1 930 000	1972
1973	297 AT 14:40 MST ON APR 5	267 ON JUN 1	7.42B ON FEB 17	2 010 000	1973
1974	756 AT 11:10 MST ON APR 22	733 ON APR 22	6.65B ON JAN 17	2 700 000	1974
1975	---	374A ON APR 24	3.14B ON DEC 7	1 220 000	1975
1976	212 AT 03:15 MST ON AUG 19	182 ON AUG 19	5.07B ON DEC 12	1 240 000	1976
1977	163 AT 10:10 MST ON JUN 4	157 ON JUN 4	4.33B ON JAN 21	1 140 000	1977
1978	233 AT 15:30 MST ON JUN 12	227 ON JUN 12	5.55B ON MAR 6	1 710 000	1978
1979	110 AT 22:00 MST ON JUN 1	104 ON APR 28	3.74B ON FEB 16	990 000	1979
1980	296 AT 20:00 MST ON JUN 9	289 ON JUN 9	2.75B ON JAN 31	1 650 000	1980
1981	661 AT 10:30 MST ON AUG 4	648 ON AUG 4	3.05B ON DEC 31	2 330 000	1981
1982	981E AT 00:15 MST ON JUL 11 *	700A ON JUL 10	2.20B ON JAN 22 *	1 970 000	1982
				1 870 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	43.3	32.2	12.3	---	1917
1918	12.4	12.3	73.9	112	58.4	99.5	65.0	51.9	40.4	38.4	22.5	8.79	49.7	1918
1919	6.20	6.05	8.29	103	89.2	60.0	45.1	73.4	49.3	23.0	11.0	7.91	40.3	1919
1920	8.45	10.7	11.4	211	406	130	164	63.3	37.6	24.9	11.8	6.26	90.8	1920
1921	4.02	5.40	10.5	135	82.5	82.3	68.1	54.3	32.5	19.4	9.57	4.12	42.4	1921
1922	1.67	0.985	6.34	48.5	92.9	89.0	73.0	80.4	49.5	25.7	10.3	3.88	40.4	1922
1923	1.64	1.56	3.20	40.9	46.6	350	179	141	72.9	43.0	22.2	10.1	76.1	1923
1924	3.59	5.54	6.73	32.2	97.0	102	114	113	57.7	39.4	19.1	9.98	50.2	1924
1925	4.64	4.28	12.2	179	62.3	111	78.4	101	99.5	86.0	42.6	21.2	66.9	1925
1926	14.6	16.1	140	103	52.7	114	97.7	68.1	312	135	61.2	27.6	95.2	1926
1927	16.1	7.52	20.0	277	162	201	179	137	126	79.5	36.4	23.0	106	1927
1928	20.3	18.6	116	137	90.2	475	358	90.9	65.5	38.9	20.4	11.4	120	1928
1929	6.21	3.88	17.7	40.7	78.2	183	57.2	52.3	39.7	26.8	14.4	7.05	44.0	1929
1930	4.11	12.9	23.0	55.9	55.4	99.7	87.8	57.9	47.6	31.8	22.2	8.14	42.3	1930
1931	6.04	5.71	9.11	20.2	34.5	102	125	51.9	41.9	24.5	14.9	---	---	1931
1932	---	---	---	36.9	---	---	---	---	---	---	---	---	---	1932
1935	---	---	---	---	---	---	---	---	48.8	34.3	8.75	6.41	---	1935
1936	4.02	4.28	7.39	195	85.0	109	---	---	---	---	---	---	---	1936
1944	---	---	10.9	48.2	37.4	211	113	171	61.8	46.2	---	---	---	1944
1945	---	---	30.7	43.4	97.9	141	117	74.5	73.0	72.1	---	---	---	1945
1946	---	---	---	115	49.6	199	139	62.4	80.7	56.8	---	---	---	1946
1947	---	---	76.3	182	124	138	110	76.3	86.4	74.9	---	---	---	1947
1948	---	---	10.7	345	591	215	113	92.6	45.7	38.1	---	---	---	1948
1949	---	---	15.7	61.0	49.0	52.7	56.7	52.9	27.0	24.1	18.6	6.98	---	1949
1950	2.91	3.44	4.94	50.6	49.6	91.7	101	63.1	31.9	30.0	8.08	3.23	36.9	1950
1951	3.99	3.99	3.63	167	168	135	172	103	172	80.0	46.5	27.2	90.5	1951
1952	14.7	13.1	26.8	412	87.7	253	190	103	56.9	41.8	22.5	11.4	102	1952
1953	7.08	8.84	13.7	67.1	137	338	197	108	75.2	38.8	24.4	13.6	85.9	1953
1954	10.2	11.0	18.5	105	207	296	147	282	362	109	66.6	28.8	137	1954
1955	11.8	15.4	13.5	250	218	146	127	66.3	42.7	37.9	10.6	6.43	78.9	1955
1956	6.56	8.40	35.5	252	86.6	118	114	78.1	52.2	35.7	26.9	12.9	68.8	1956
1957	8.02	6.59	21.1	111	100	85.1	62.6	55.3	42.6	37.0	29.5	14.4	47.9	1957
1958	5.85	6.22	12.0	198	98.6	113	129	63.4	45.9	31.0	12.3	7.01	60.3	1958
1959	5.22	3.26	23.7	41.9	37.4	94.6	166	72.7	36.3	37.4	17.7	15.4	46.3	1959
1960	8.12	9.13	55.3	150	68.9	91.6	87.5	67.8	37.8	---	---	---	---	1960
MEAN	7.63	7.89	27.1	131	116	157	124	88.0	76.6	46.9	23.8	12.1	70.4	MEAN

LOCATION - LAT 50 57 50 N LONG 110 01 40 W DRAINAGE AREA, 46 800 km² REGULATED SINCE 1908

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1917	---	---	---	---	1917
1918	---	334B ON MAR 27	6.80 B ON DEC 31	1 570 000	1918
1919	---	221 ON MAY 14	5.44 B ON FEB 24	1 270 000	1919
1920	---	733 ON MAY 11	3.68 B ON DEC 31	2 880 000	1920
1921	---	309 ON APR 18	2.8[illegible] B ON DEC 31	1 330 000	1921
1922	---	145 ON MAY 7	0.510B ON JAN 24 *	1 270 000	1922
1923	---	793E ON JUN 4	0.850B ON MAR 4	2 400 000	1923
1924	---	208 ON JUL 4	1.61 B ON JAN 11	1 590 000	1924
1925	---	348 ON APR 13	3.11 B ON FEB 7	2 110 000	1925
1926	---	547 ON SEP 14	12.3 B ON JAN 30	3 000 000	1926
1927	---	396B ON APR 17	7.19 B ON FEB 10	1 330 000	1927
1928	---	949 ON JUN 22	8.35 B ON DEC 31	3 800 000	1928
1929	---	674E ON JUN 6	3.51 B ON MAR 8	1 390 000	1929
1930	---	138 ON JUN 30	2.94 B ON JAN 28	1 330 000	1930
1931	---	362 ON JUN 20	---	---	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	487 ON APR 19	2.01 B ON MAR 5	---	1936
1944	---	425 ON AUG 5	---	---	1944
1945	---	268 ON MAY 31	---	---	1945
1946	---	309 ON JUN 28	---	---	1946
1947	---	396 ON MAR 26	---	---	1947
1948	---	1 310 ON APR 27 *	---	---	1948
1949	---	109 ON JUL 30	---	---	1949
1950	---	202 ON JUN 21	2.21 B ON DEC 5	1 160 000	1950
1951	---	450B ON APR 6	2.04 B ON MAR 22	2 850 000	1951
1952	---	1 020 ON JUN 27	6.34 B ON NOV 29	3 240 000	1952
1953	---	748 ON JUN 7	3.17 B ON JAN 22	2 710 000	1953
1954	---	1 150 ON AUG 29	7.39 B ON JAN 17	4 330 000	1954
1955	---	648B ON APR 6	3.96 B ON DEC 5	2 490 000	1955
1956	---	464 ON APR 11	5.24 B ON JAN 11	2 170 000	1956
1957	---	185 ON APR 1	5.10 B ON JAN 28	1 510 000	1957
1958	---	382 ON APR 9	3.54 B ON DEC 21	1 900 000	1958
1959	---	459 ON JUL 1	2.49 B ON FEB 14	1 460 000	1959
1960	---	368B ON MAR 27	---	---	1960
MEAN				2 220 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	46.4	47.2	27.3	7.76	---	1964
1965	7.43	6.95	17.9	---	---	---	---	137	130	93.4	52.1	26.4	---	1965
1966	13.9	12.9	31.0	128	90.0	119	168	87.2	51.8	41.0	15.7	11.0	68.4	1966
1967	12.8	11.4	---	---	---	---	---	---	---	---	---	---	---	1967
MEAN	11.4	10.4	24.5	128	90.0	119	168	112	76.1	60.5	31.7	15.1	64.4	MEAN

LOCATION - LAT 50 50 38 N DRAINAGE AREA, 41 000 km²
LONG 111 09 12 W NATURAL FLOW

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	654 E ON JUL 7 *	8.21B ON DEC 11 *	2 030 000	1966
1967	---	15.7B ON JAN 1	11.0 B ON FEB 7	---	1967
MEAN				2 030 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	30.8	46.9	197	89.8	151	48.0	38.5	17.9	10.0	---	1944
1945	8.45	8.77	12.6	32.4	110	115	85.3	62.0	52.1	49.4	19.2	14.2	64.8	1945
1946	13.6	11.8	40.2	84.6	50.0	183	97.7	47.3	53.5	34.8	17.5	11.6	73.5	1946
1947	11.0	10.9	31.1	133	125	141	82.8	52.5	67.5	52.2	28.6	18.4	85.2	1947
1948	14.7	11.6	10.6	187	516	176	80.7	70.6	35.1	23.9	16.2	7.58	138	1948
1949	8.12	7.52	10.5	42.8	34.9	39.4	49.5	34.4	17.8	15.8	11.6	4.56	30.6	1949
1950	4.55	5.73	5.83	36.7	48.0	94.7	74.6	42.2	23.7	---	---	---	---	1950
1951	---	---	8.94	63.8	129	131	148	76.4	140	57.6	---	---	94.2	1951
1952	---	---	17.1	268	70.1	260	135	78.9	45.4	29.0	---	---	112	1952
1953	---	---	12.9	57.3	120	311	187	96.8	54.6	28.3	---	---	103	1953
1954	---	---	13.9	70.3	250	301	116	289	213	83.3	---	---	167	1954
1955	---	---	14.8	197	179	116	99.0	43.1	31.0	23.9	---	---	87.7	1955
1956	---	---	19.8	129	72.2	97.5	93.4	50.0	28.1	17.4	---	---	63.2	1956
1957	---	---	14.1	87.3	90.2	67.3	37.4	30.0	26.3	24.2	---	---	46.9	1957
1958	---	---	11.5	112	84.7	91.4	113	48.5	32.2	20.1	---	---	64.0	1958
MEAN	10.1	9.39	16.0	102	128	155	96.6	78.2	57.9	35.3	18.5	11.1	86.9	MEAN

LOCATION - LAT 52 18 00 N DRAINAGE AREA, 15 100 km²
LONG 113 04 00 W NATURAL FLOW

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	490 ON AUG 2	---	---	1944
1945	---	260 ON JUN 1	8.44B ON MAR 5	1 370 000	1945
1946	---	281 ON JUN 24	12.4 B ON MAR 5	1 560 000	1946
1947	---	862 ON MAY 12	10.2 B ON MAR 3	1 800 000	1947
1948	---	838 ON MAY 10	10.2 B ON MAR 1	2 910 000	1948
1949	---	87.8 ON JUL 28	8.67B ON MAR 1	648 000	1949
1950	---	286 ON JUN 17	5.10B ON MAR 10 *	---	1950
1951	---	385 ON SEP 4	5.49B ON MAR 4	1 990 000	1951
1952	1 250 ON JUN 25	1 040 ON JUN 25	11.1 B ON MAR 19	2 370 000	1952
1953	759 ON JUN 5	677 ON JUN 5	9.83B ON MAR 1	2 180 000	1953
1954	1 560 ON AUG 27 *	1 260 ON AUG 26 *	8.61B ON MAR 9	3 530 000	1954
1955	---	362 B ON APR 8	12.6 B ON MAR 1	1 860 000	1955
1956	---	334 B ON APR 15	6.51B ON MAR 24	1 340 000	1956
1957	---	181 ON APR 19	5.80B ON MAR 23	993 000	1957
1958	---	311 B ON APR 10	8.89B ON APR 3	1 360 000	1958
MEAN				1 840 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	---	11.3	---	---	---	1950
1951	---	---	---	---	---	67.3	75.7	45.5	56.7	29.9	---	---	---	1951
1952	---	---	---	18.8	32.2	95.7	63.8	49.9	23.4	14.7	---	---	---	1952
1953	---	---	---	---	33.1	136	79.8	39.2	24.6	14.2	---	---	---	1953
1954	---	---	4.99	6.39	38.1	93.0	76.0	92.9	54.4	24.6	---	---	---	1954
1955	---	---	---	---	24.5	63.4	56.4	26.3	18.4	12.0	---	---	---	1955
1956	---	---	5.63	9.83	39.6	59.9	46.2	28.3	17.6	10.4	---	---	---	1956
1957	---	---	4.49	12.9	49.0	44.6	28.3	25.0	21.5	16.0	---	---	---	1957
1958	---	---	5.17	24.3	62.9	66.5	70.2	38.3	24.6	13.8	---	---	---	1958
1959	---	---	6.27	7.73	24.3	87.1	62.0	32.6	24.4	16.8	---	---	---	1959
1960	---	---	9.84	10.7	24.3	50.4	48.6	30.9	16.1	11.3	---	---	---	1960
1961	---	---	4.23	5.41	41.5	63.2	37.7	43.1	19.6	16.6	---	---	---	1961
1962	---	---	5.28	11.6	28.2	50.5	46.6	34.2	20.3	12.2	---	---	---	1962
1963	---	---	5.27	9.59	25.7	84.0	91.7	47.0	30.5	17.0	---	---	---	1963
1964	---	---	---	---	35.5	124	81.8	27.6	20.9	17.8	---	---	---	1964
1965	---	---	7.97	14.3	21.9	125	107	55.3	53.5	34.5	---	---	---	1965
1966	---	---	11.0	10.1	45.9	60.3	77.2	43.0	25.3	16.7	---	---	---	1966
1967	---	---	5.44	9.02	40.3	99.1	45.9	29.2	19.7	11.7	---	---	---	1967
1968	---	---	5.83	8.92	20.6	61.0	47.0	35.3	22.8	19.0	---	---	---	1968
1969	---	---	6.39	18.8	55.4	89.0	98.4	36.7	21.4	13.0	9.20	7.65	---	1969
1970	4.47	5.26	4.98	5.97	25.8	84.0	45.3	26.5	14.0	8.96	6.65	4.58	19.7	1970
1971	4.48	4.68	4.50	6.32	33.2	78.0	41.4	33.4	16.6	9.37	5.68	3.88	20.2	1971
1972	4.14	4.93	5.52	7.30	25.8	103	57.5	37.1	24.3	15.7	---	---	---	1972
1973	---	---	---	---	---	67.2	45.9	31.3	22.4	13.3	---	---	---	1973
MEAN	4.36	4.96	6.04	11.0	34.7	80.5	62.2	38.6	25.8	15.9	7.18	5.37	20.0	MEAN

LOCATION - LAT 51 42 00 N DRAINAGE AREA, 2 490 km²
LONG 114 51 20 W NATURAL FLOW

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1950	---	---	---	---	1950
1951	151 AT 05:00 MST ON JUN 15	133 ON JUN 15	---	---	1951
1952	464 AT 09:00 MST ON JUN 23	399 ON JUN 23	---	---	1952
1953	286 AT 12:00 MST ON JUN 3	266 ON JUN 3	---	---	1953
1954	544 AT 08:00 MST ON AUG 25	396 ON AUG 25	---	---	1954
1955	172 AT 04:00 MST ON JUN 13	138 ON JUN 13	---	---	1955
1956	131 AT 14:00 MST ON JUN 5	119 ON JUN 5	---	---	1956
1957	83.8 AT 16:00 MST ON JUN 8	74.2 ON MAY 20	---	---	1957
1958	114 AT 12:00 MST ON JUL 6	100 ON JUL 6	---	---	1958
1959	227 AT 06:00 MST ON JUN 27	195 ON JUN 27	---	---	1959
1960	96.0 AT 07:00 MST ON JUL 2	84.7 ON JUL 1	---	---	1960
1961	141 AT 14:00 MST ON MAY 27	131 ON MAY 27	---	---	1961
1962	77.3 AT 08:00 MST ON JUN 18	69.4 ON JUN 18	---	---	1962
1963	177 AT 01:00 MST ON JUN 30	143 ON JUN 30	---	---	1963
1964	277 AT 23:00 MST ON JUL 3	212 ON JUL 4	---	---	1964
1965	654 AT 15:00 MST ON JUN 18 *	578 ON JUN 18 *	---	---	1965
1966	243 AT 20:00 MST ON JUL 3	174 ON JUL 3	---	---	1966
1967	464 AT 23:30 MST ON MAY 30	306 ON MAY 31	---	---	1967
1968	---	85.8 ON JUN 12	---	---	1968
1969	283 AT 11:30 MST ON JUN 29	240 ON JUN 29	---	---	1969
1970	513 AT 13:00 MST ON JUN 16	362 ON JUN 16	3.48B ON NOV 30 *	622 000	1970
1971	222 AT 11:00 MST ON JUN 6	184 ON JUN 6	3.68B ON DEC 26	636 000	1971
1972	289 AT 08:00 MST ON JUN 25	253 ON JUN 25	---	---	1972
1973	---	138 ON JUN 24	---	---	1973
				629 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	2.41	1.79	---	---	---	1973
1974	---	---	---	---	2.14	18.1	12.3	5.33	2.66	1.37	---	---	6.94	1974
1975	---	---	---	---	1.75	10.1	9.33	5.58	3.07	1.83	---	---	5.26	1975
1976	---	---	---	---	5.10	10.6	13.5	8.41	5.83	2.23	---	---	7.60	1976
1977	---	---	---	---	3.89	9.21	5.10	5.25	3.57	1.55	---	---	4.74	1977
1978	---	---	---	---	2.39	12.5	9.18	4.93	3.85	2.25	---	---	5.82	1978
1979	---	---	---	---	2.37	11.3	6.85	3.36	2.06	1.34	---	---	4.53	1979
1980	---	---	---	---	11.6	10.2	4.85	3.44	3.24	2.62	---	---	5.99	1980
1981	---	---	---	---	8.06	10.7	14.9	7.19	2.76	1.48	---	---	7.52	1981
1982	---	---	---	---	2.34	15.6	7.96	4.37	4.09	1.82	---	---	5.99	1982
MEAN	---	---	---	---	4.40	12.0	9.33	5.32	3.35	1.83	---	---	6.04	MEAN

LOCATION - LAT 51 13 20 N DRAINAGE AREA, 147 km²
LONG 115 48 40 W NATURAL FLOW

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	42.5 AT 21:00 MST ON JUN 24 *	39.4 ON JUN 24 *	1.09 E ON OCT 31	110 000	1974
1975	15.5 AT 03:30 MST ON JUN 26	14.8 ON JUN 26	0.934B ON MAY 1	83 700	1975
1976	23.4 AT 19:15 MST ON JUL 1	21.8 ON JUL 1	0.872 ON MAY 1	121 000	1976
1977	23.0 AT 19:30 MST ON JUN 8	19.7 ON JUN 8	1.17 ON OCT 31	75 500	1977
1978	18.4 AT 13:30 MST ON JUN 9	17.5 ON JUN 9	0.977 ON MAY 8	92 500	1978
1979	17.8 AT 23:00 MST ON JUN 12	15.9 ON JUN 13	0.720E ON MAY 1	71 900	1979
1980	27.7 AT 18:15 MST ON MAY 21	24.6 ON MAY 21	1.67 ON OCT 31	95 200	1980
1981	38.5 AT 20:55 MST ON MAY 26	33.0 ON MAY 26	1.17 ON OCT 21	120 000	1981
1982	24.9 AT 23:00 MST ON JUN 15	23.3 ON JUN 16	0.543 ON MAY 1 *	95 100	1982
				96 100	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

REDWATER RIVER NEAR REDWATER - STATION NO. 05EC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.655	0.861	0.207	0.110	---	---	---	1972
1973	---	---	0.214	3.83	1.09	1.19	0.266	0.688	0.360	0.687	---	---	1.03	1973
1974	---	---	0.085	32.4	13.7	3.07	7.65	1.55	0.548	0.578	---	---	7.40	1974
1975	---	---	0.125	2.51	2.24	0.768	1.05	0.862	1.21	0.445	---	---	1.15	1975
1976	---	---	0.118	3.55	0.648	0.353	0.206	0.178	0.042	0.024	---	---	0.632	1976
1977	---	---	0.058	6.04	2.43	0.240	0.232	0.316	0.322	0.254	---	---	1.23	1977
1978	---	---	0.205	5.79	1.73	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.134	9.02	3.64	1.12	1.68	0.743	0.448	0.350	---	---	2.29	MEAN

LOCATION - LAT 53 56 55 N   DRAINAGE AREA, 1 490 km^2
LONG 113 03 30 W   NATURAL FLOW

REDWATER RIVER NEAR REDWATER - STATION NO. 05EC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	9.97 AT 13:15 MST ON APR 7	9.74 ON APR 6	0 ON SEP 17 *	21 800	1973
1974	115 AT 11:40 MST ON APR 25 *	110 ON APR 24 *	0.085B ON MAR 1	157 000	1974
1975	10.5 AT 13:30 MST ON APR 25	10.2 ON APR 26	0.116B ON MAR 22	24 300	1975
1976	12.5 AT 00:01 MST ON APR 8	11.0 ON APR 8	0.022 ON SEP 13	13 400	1976
1977	19.3 AT 01:30 MST ON APR 14	18.8 ON APR 14	0.003 ON JUN 21	26 000	1977
1978	15.8 AT 21:20 MST ON APR 8	14.8 ON APR 8	---	---	1978
				48 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.074R	0.082R	2.06 R	1.68 R	---	---	---	1978
1979	---	---	1.03	12.7	7.58	1.59	2.66	0.626	0.046	0.149	---	---	3.28	1979
1980	---	---	0.045	2.26	0.376	0.074	0.065	0.321	0.927	0.707	---	---	0.591	1980
1981	---	---	2.43	11.8	1.89	0.563	0.199	0.077	0.008	0.019	---	---	2.10	1981
1982	---	---	0.046	6.28	7.54	0.515	0.279	0.141	0.040	0.053	---	---	1.86	1982
MEAN	---	---	0.888	8.26	4.35	0.686	0.656R	0.249R	0.616R	0.522R	---	---	1.96	MEAN

LOCATION - LAT 53 53 49 N   DRAINAGE AREA, 1 550 km^2 R - REVISED SINCE JAN 1980
LONG 112 59 46 W   NATURAL FLOW

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	15.8 AT 21:20 MST ON APR 8	---	---	---	1978
1979	26.9 B AT 01:00 MST ON APR 20	26.5 A ON APR 25	0.003 ON OCT 6	69 400	1979
1980	9.31B AT 07:35 MST ON APR 16	7.94B ON APR 16	0.004 ON AUG 2	12 500	1980
1981	27.7 AT 21:30 MST ON APR 2	26.6 B ON APR 2	0.001 ON SEP 10 *	44 500	1981
1982	29.2 AT 10:20 MST ON APR 28 *	28.9 ON APR 28 *	0.015 ON SEP 25	39 300	1982
				41 400	MEAN

A - MANUAL GAUGE   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.050	0.269	0.155	0.032	0.010	0.002	0.001	0	---	---	---	1981
1982	0	0	0	0.113	0.131	0.098	0.109	0.099	0.042	0.008	0.015	0.022	0.053	1982
MEAN	0	0	0.025	0.191	0.143	0.065	0.060	0.051	0.022	0.004	0.015	0.022	0.053	MEAN

LOCATION - LAT 54 13 45 N LONG 110 19 45 W DRAINAGE AREA, 161 km² NATURAL FLOW

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.302B ON APR 1	0 ON AUG 16 *	---	1981
1982	0.580B AT 15:41 MST ON APR 21 *	0.417B ON APR 20 *	0B ON JAN 1	1 680	1982
				1 680	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.690	0.064	0.002	0	0	0	0	---	---	---	1967
1968	---	---	0.020	0.002	0	0	0.012	0.015	0.002	0.004	---	---	0.007	1968
1969	---	---	0	1.00	0.006	0	0.003	0	0.001	0.001	---	---	0.124	1969
1976	---	---	---	---	---	---	0	0.014	0	0	---	---	---	1976
1977	---	---	0.014	0.021	0.034	0.005	0	0	0.001	0.002	---	---	0.010	1977
1978	---	---	0.308	0.076	0.016	0.007	0	0	0.002	0	---	---	0.051	1978
1979	---	---	0.128	0.059	0.012	0	0	0	0	0	---	---	0.025	1979
1980	---	---	0	0.357	0.019	0.139	0.071	0.011	0.001	0	---	---	0.074	1980
1981	---	---	0.041	0.010	0.123	0	0	0.001	0	0	---	---	0.022	1981
1982	---	---	0.090	0.137	0.008	0.002	0.013	0.009	0.001	0.001	---	---	0.032	1982
MEAN	---	---	0.075	0.261	0.031	0.017	0.010	0.005	0.001	0.001	---	---	0.043	MEAN

LOCATION - LAT 51 43 01 N LONG 113 21 47 W DRAINAGE AREA, 57.2 km² NATURAL FLOW

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.84 B ON APR 15	0 ON JUN 3 *	---	1967
1968	---	0.176 ON AUG 7	0 ON APR 30	148	1968
1969	---	8.67 B ON APR 4 *	0B ON MAR 1	2 630	1969
1976	---	---	0 ON JUL 5	---	1976
1977	0.889 AT 09:25 MST ON MAY 23	0.343 ON MAY 23	0B ON MAR 1	203	1977
1978	5.07 AT 21:00 MST ON MAR 29 *	3.62 ON MAR 29	0B ON MAR 1	1 090	1978
1979	---	1.27 B ON MAR 7	0B ON MAR 1	529	1979
1980	4.47 AT 02:00 MST ON JUN 3	2.08 B ON APR 5	0B ON MAR 1	1 560	1980
1981	4.07 AT 23:15 MST ON MAY 6	2.09 ON MAY 7	0B ON MAR 1	467	1981
1982	---	1.03 B ON MAR 28	0B ON MAR 1	686	1982
				914	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.088	0.021	0	0	0	0	0.090	0.054	---	---	0.032	1968
1969	---	---	0	3.09	1.31	0.357	0	0	0	0	---	---	0.588	1969
1970	---	---	0	0.537	0.536	0.254	0.252	0.125	0.009	0	---	---	0.214	1970
1971	---	---	0	1.63	1.74	0.512	0.231	0.073	0.003	0	---	---	0.522	1971
1972	---	---	0.011	0.049	0.009	0.006	0.007	0.013	0	0	---	---	0.012	1972
1973	---	---	0.017	0.081	0.010	0.167	0.450	0.327	0.290	0.057	---	---	0.175	1973
1974	---	---	0	2.90	6.15	1.49	0.685	0.167	0.013	0	---	---	1.42	1974
1975	---	---	0	0.221	2.33	0.861	0.314	0.043	0.002	0	---	---	0.473	1975
1976	---	---	0.018	0.328	0.084	0.082	0.141	0.031	0	0	---	---	0.085	1976
1977	---	---	0	0	0.126	0.006	0	0	0	0	---	---	0.017	1977
1978	---	---	0.008	0.051	0.048	0.006	0	0	0	0	---	---	0.014	1978
1979	---	---	0.052	0.058	0.017	0.003	0.001	0	0	0	---	---	0.017	1979
1980	---	---	0	0.032	0.003	0.003	0.001	0.006	0	0	---	---	0.006	1980
1981	---	---	0.024	0.046	0.003	0.001	0	0.001	0	0	---	---	0.009	1981
1982	---	---	0	0.008	0.004	0	0	0	0	0.001	---	---	0.002	1982
MEAN	---	---	0.015	0.603	0.825	0.250	0.139	0.052	0.027	0.007	---	---	0.239	MEAN

LOCATION - LAT 52 29 17 N LONG 110 44 15 W DRAINAGE AREA, 1 830 km² NATURAL FLOW

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.416 ON SEP 25	0 ON MAR 1 *	668	1968
1969	7.87 AT 07:41 MST ON APR 18	7.84 ON APR 18	0B ON MAR 1	12 400	1969
1970	1.25 AT 16:23 MST ON APR 25	1.21 ON APR 25	0B ON MAR 1	4 520	1970
1971	4.93 AT 22:00 MST ON APR 27	4.87 ON APR 26	0B ON MAR 1	11 100	1971
1972	---	0.079E ON APR 13	0B ON MAR 1	252	1972
1973	0.728 AT 21:30 MST ON JUL 6	0.722 ON JUL 7	0B ON MAR 1	3 700	1973
1974	21.9 AT 23:00 MST ON APR 30 *	20.9 ON APR 30 *	0B ON MAR 1	30 200	1974
1975	3.20 AT 06:30 MST ON MAY 20	3.09 ON MAY 20	0B ON MAR 1	10 000	1975
1976	0.668 AT 13:30 MST ON APR 26	0.631 ON APR 26	0B ON MAR 1	1 800	1976
1977	0.433 AT 17:00 MST ON MAY 16	0.362 ON MAY 16	0B ON MAR 1	353	1977
1978	---	0.088A ON MAY 17	0B ON MAR 1	298	1978
1979	---	0.186A ON MAR 20	0E ON MAR 1	350	1979
1980	0.086 AT 14:25 MST ON APR 13	0.083B ON APR 13	0B ON MAR 1	120	1980
1981	---	0.075B ON MAR 18	0B ON MAR 9	196	1981
1982	---	0.028B ON APR 19	0B ON MAR 1	34.0	1982
				5 070	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	0.172	0.224	---	---	---	1924
1925	---	---	---	1.20	0.816	0.415	0.081	0.043	0.074	0.136	---	---	---	1925
1926	---	---	---	1.17	0.749	0.407	0.027	0.097	0.254	0.258	---	---	---	1926
1927	---	---	0	1.20	3.54	2.56	1.94	1.29	0.975	1.19	---	---	1.59	1927
1928	---	---	0.042	2.60	4.09	1.59	0.707	0.263	0.174	0.180	---	---	1.20	1928
1929	---	---	0.016	0.559	0.648	0.321	0.175	0.020	0.006	0.012	---	---	0.219	1929
1930	---	---	---	0.699	0.382	0.171	0.130	0.190	0.274	0.386	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.70	1.86	0.587	---	---	---	---	---	---	---	1936
1962	---	---	0	0.379	0.356	0.107	0.118	0.085	0.039	0.005	---	---	0.136	1962
1963	---	---	0.024	1.68	1.16	0.216	0.127	0.114	0.131	0.253	---	---	0.460	1963
1964	---	---	0	0.549	0.742	0.240	0.002	0.014	0.085	0.046	---	---	0.209	1964
1965	---	---	0	0.894	2.71	2.15	2.00	0.471	0.148	0.072	---	---	1.06	1965
1966	---	---	0.014	1.47	0.929	0.364	0.059	0.064	0.001	0.135	---	---	0.376	1966
1967	---	---	0.028	0.061	1.42	0.891	0.177	0.023	0	0	---	---	0.325	1967
1968	---	---	0.323	1.29	0.611	0.137	0.030	0.103	0.272	0.765	---	---	0.440	1968
1969	---	---	0.403	3.54	3.78	0.838	0.295	0.053	0.094	0.135	---	---	1.14	1969
1970	---	---	0.003	0.296	2.10	0.713	1.35	0.441	0.123	0.084	---	---	0.641	1970
1971	---	---	0.086	0.945	2.32	1.83	1.43	0.362	0.052	0.088	---	---	0.889	1971
1972	---	---	0.115	0.175	0.063	0.431	0.784	0.603	0.319	0.277	---	---	0.346	1972
1973	---	---	0.004	0.174	0.550	1.36	1.74	0.974	0.443	0.168	---	---	0.678	1973
1974	---	---	0.067	0.907	7.19	4.71	1.48	0.336	0.153	0.178	---	---	1.88	1974
1975	---	---	0.067	0.504	0.893	2.34	2.96	0.496	0.068	0.261	---	---	0.949	1975
1976	---	---	0.003	0.355	0.286	0.923	0.919	0.242	0.057	0.048	---	---	0.353	1976
1977	---	---	0	0.130	0.146	0.818	0.333	0.027	0.078	0.120	---	---	0.205	1977
1978	---	---	0.007	0.090	0.110	0.721	0.790	0.130	0.067	0.061	---	---	0.246	1978
1979	---	---	0.010	0.088	0.056	0.560	1.09	0.459	0.079	0.020	---	---	0.296	1979
1980	---	---	0	0.115	0.028	0.536	0.431	0.204	0.083	0.056	---	---	0.181	1980
1981	---	---	0.022	0.055	0.597	1.07	0.222	0.058	0.002	0	---	---	0.252	1981
1982	---	---	0	0.100	0.050	0.528	0.318	0.105	0.011	0.025	---	---	0.141	1982
MEAN	---	---	0.049	0.819	1.36	0.983	0.730	0.269	0.146	0.179	---	---	0.592	MEAN

LOCATION - LAT 52 45 18 N LONG 110 29 00 W DRAINAGE AREA, 3 130 km^2 REGULATED

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	1.59 ON APR 11	---	---	1925
1926	---	1.98 B ON APR 13	0 B ON MAR 1 *	---	1926
1927	---	4.02 ON MAY 10	0 B ON MAR 1	33 600	1927
1928	---	5.64 ON APR 28	0 B ON MAR 1	25 500	1928
1929	---	0.929 ON APR 19	0 B ON MAR 1	4 630	1929
1930	---	---	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	4.62 E ON APR 15	0 B ON MAR 1	---	1936
1962	---	0.753 ON APR 30	0 ON MAR 1	2 870	1962
1963	---	2.70 ON APR 20	0 B ON MAR 1	9 740	1963
1964	---	0.875 ON MAY 6	0 B ON MAR 1	4 420	1964
1965	---	3.11 ON MAY 18	0 B ON MAR 1	22 300	1965
1966	---	2.04 ON APR 14	0 B ON MAR 1	7 970	1966
1967	---	1.78 ON MAY 8	0 ON AUG 3	6 880	1967
1968	---	1.59 B ON APR 2	0 ON JUL 5	9 320	1968
1969	---	6.99 ON APR 13	0.001 ON AUG 30	24 100	1969
1970	---	9.20 ON MAY 17	0 B ON MAR 1	13 600	1970
1971	---	2.66 ON MAY 28	0.027 ON AUG 31	18 800	1971
1972	---	1.30 ON JUL 5	0 B ON MAR 1	7 330	1972
1973	---	2.78 ON JUN 25	0 B ON MAR 1	14 400	1973
1974	---	24.1 ON MAY 13 *	0.065B ON MAR 21	39 700	1974
1975	---	9.37 ON JUL 4	0.020 ON SEP 9	26 100	1975
1976	---	3.06 B ON APR 7	0 B ON MAR 1	7 470	1976
1977	---	0.940 ON JUN 15	0 B ON MAR 1	4 330	1977
1978	---	2.36 ON JUN 27	0 B ON MAR 1	5 220	1978
1979	---	3.08 ON JUL 18	0 B ON MAR 1	6 260	1979
1980	---	0.915 ON JUN 13	0 B ON MAR 1	3 830	1980
1981	---	3.96 ON JUN 1	0 B ON MAR 1	5 330	1981
1982	---	1.85 ON JUN 22	0 B ON MAR 1	2 990	1982
				12 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	1.13	0.786	0.154	0	0	0.340	---	---	---	1925
1926	---	---	0.062	1.35	1.18	0.750	0.171	0	0.063	---	---	---	---	1926
1927	---	---	0	1.52	4.88	3.20	2.60	1.20	1.06	1.65	---	---	2.02	1927
1928	---	---	0.103	2.58	3.96	2.51	0.954	0.260	0.071	0.195	---	---	1.32	1928
1929	---	---	0.019	0.896	0.819	0.391	0.083	0	0	0	---	---	0.274	1929
1930	---	---	---	0.737	0.609	0.615	0.704	0.148	0.382	0.660	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.06	1.76	0.908	---	---	---	---	---	---	---	1936
MEAN	---	---	0.037	1.36	2.05	1.31	0.778	0.268	0.225	0.474	---	---	1.20	MEAN

LOCATION - LAT 52 43 20 N   DRAINAGE AREA, 3 930 km^2
LONG 110 16 00 W   NATURAL FLOW

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	0 ON JUL 22 *	---	1925
1926	---	2.83E ON APR 16	0B ON MAR 1	---	1926
1927	---	7.76 ON MAY 13 *	0 ON MAR 1	42 700	1927
1928	---	4.90 ON MAY 3	0B ON MAR 1	28 000	1928
1929	---	1.53B ON APR 22	0B ON MAR 1	5 790	1929
1930	---	2.15 ON JUL 1	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.81 ON APR 30	0B ON MAR 1	---	1936
				25 500	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0R	---	---	---	1978
1979	---	---	0.131R	0.040R	0 R	0 R	0 R	0 R	0R	0R	---	---	0.021R	1979
1980	---	---	0	0.055	0	0	0	0.010	0	0	---	---	0.008	1980
1981	---	---	0.069	0.030	0.020	0	0	0	0	0	---	---	0.015	1981
1982	---	---	0	0.074	0.005	0.001	0.013	0.001	0	0	---	---	0.012	1982
MEAN	---	---	0.050R	0.050R	0.006R	0 R	0.003R	0.003R	0R	0R	---	---	0.014	MEAN

R - REVISED SINCE JAN 1980

LOCATION - LAT 52 10 47 N   DRAINAGE AREA, 331 km^2
LONG 111 14 15 W   NATURAL FLOW

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	0.462RB ON MAR 13	0RB ON MAR 1 *	454R	1979
1980	---	0.234 ON APR 5	0B ON MAR 1	169	1980
1981	---	0.294B ON MAR 16	0B ON MAR 1	317	1981
1982	---	0.680B ON APR 14 *	0B ON MAR 1	244	1982
				296R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	19.7	17.9	14.3	16.6	16.7	17.3	14.9	---	1970
1971	11.1	11.4	11.8	12.4	20.0	15.3	14.9	13.2	13.8	14.3	15.3	11.3	13.7	1971
1972	10.6	10.2	11.5	11.6	28.2	19.8	19.9	15.5	14.9	18.2	17.1	11.6	15.8	1972
1973	12.0	11.4	11.7	19.5	18.7	14.9	18.1	21.8	17.4	17.9	17.1	14.0	16.2	1973
1974	13.6	12.8	13.0	30.3	25.3	24.2	20.4	16.8	15.0	14.5	13.6	13.1	17.7	1974
1975	12.2	10.9	11.3	16.7	20.3	19.2	20.9	19.0	21.4	22.5	17.8	11.3	17.0	1975
1976	11.3	10.5	10.7	25.7	20.2	18.2	15.2	15.5	15.0	16.5	11.1	11.9	15.2	1976
1977	11.9	12.6	13.2	18.2	18.4	17.1	17.2	15.9	16.9	16.4	12.9	11.7	15.2	1977
1978	12.6	10.7	10.4	17.7	23.3	18.2	15.8	17.8	23.7	22.8	16.3	14.3	17.0	1978
1979	13.2	12.7	12.2	15.0	28.9	21.3	17.7	16.4	15.9	16.0	13.3	9.72	16.1	1979
1980	11.6	11.4	12.2	19.4	15.3	13.0	13.7	15.1	16.3	15.9	14.7	11.8	14.2	1980
1981	11.5	11.5	13.8	16.6	22.2	16.3	14.5	11.3	10.6	11.7	10.8	9.21	13.4	1981
1982	8.94	9.03	9.58	13.7	27.7	15.9	12.9	14.1	15.4	14.3	12.5	11.2	13.8	1982
MEAN	11.7	11.3	11.8	18.1	22.4	17.9	16.9	15.9	16.4	16.7	14.6	12.0	15.4	MEAN

LOCATION - LAT 58 21 48 N DRAINAGE AREA, 2 700 km^2
LONG 111 14 14 W NATURAL FLOW

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	28.3B ON MAY 2	9.29 ON OCT 30	433 000	1971
1972	---	38.2 ON MAY 6	9.49B ON MAR 9	499 000	1972
1973	30.0 AT 15:00 MST ON AUG 13	29.4 ON AUG 13	11.2 B ON FEB 20	512 000	1973
1974	43.6B AT 11:20 MST ON APR 21 *	41.6B ON APR 21 *	11.7 B ON NOV 13	559 000	1974
1975	27.2 AT 19:00 MST ON APR 28	26.7 ON APR 28	9.91B ON DEC 9	536 000	1975
1976	36.0B AT 12:40 MST ON APR 17	33.4 ON APR 18	10.1 B ON MAR 5	479 000	1976
1977	28.1 AT 00:01 MST ON APR 24	27.0 ON APR 24	10.9 B ON NOV 27	480 000	1977
1978	31.4B AT 12:30 MST ON APR 29	31.4B ON APR 29	9.34B ON MAR 3	536 000	1978
1979	35.0 AT 14:15 MST ON MAY 17	34.9 ON MAY 17	8.80B ON DEC 7 *	506 000	1979
1980	25.8B AT 19:50 MST ON APR 22	25.6B ON APR 22	10.3 B ON JAN 30	449 000	1980
1981	---	37.0B ON MAY 2	8.80B ON DEC 14	421 000	1981
1982	36.4 AT 20:27 MST ON MAY 7	36.2 ON MAY 7	8.94B ON JAN 1	435 000	1982
				487 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.122	0.190	0.181	0.063	0.052	---	---	---	1982
MEAN	---	---	---	---	---	0.122	0.190	0.181	0.063	0.052	---	---	---	MEAN

LOCATION - LAT 56 20 00 N
LONG 110 58 00 W

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0	0.001	0.005	0.004	---	1967
1968	0.005	0.008	0.005	0.024	0.089	0.089	0.016	0.003	0.002	0.002	---	0.005	---	1968
1969	0.002	---	0	0.131	0.059	0.011	0.003	0.002	0.004	0.003	---	0.005	---	1969
1970	---	---	0.002	0.154	0.092	0.016	0.003	0.001	0.001	0	---	---	---	1970
1971	---	---	0.001	0.028	0.019	0.223	0.147	0.006	0.002	0.004	---	---	---	1971
1972	---	---	0.009	0.258	0.106	0.060	0.020	0.007	0.005	0.008	---	---	---	1972
1973	---	---	0.003	0.159	0.117	0.134	0.021	0.005	0.013	0.023	---	---	---	1973
1974	---	---	0.003	0.412	0.240	0.009	0.001	0	0.001	0.001	---	---	---	1974
1975	---	---	---	0.032	0.054	0.021	0.011	0.003	0.005	0.007	---	---	---	1975
1976	---	---	---	---	0.088	---	---	---	---	---	0.010	---	---	1976
1977	---	---	0.002	0.287	0.217	0.051	0.178	0.015	---	---	---	---	---	1977
1978	---	---	---	---	0.117	0.098	0.008	0	0.024	0.015	---	---	---	1978
1979	---	---	---	---	0.379	0.340	0.044	0.002	0.001	0.001	---	---	---	1979
1980	---	---	---	0.049	0.019	0.072	0.023	0.002	0.012	0.007	---	---	---	1980
1981	---	---	---	0.144	---	0.006	0.007	0.001	0.003	0.002	---	---	---	1981
1982	---	---	---	0.005	0.099	0.002	0.023	0.077	0.003	0.002	---	---	---	1982
MEAN	0.004	0.008	0.003	0.140	0.118	0.081	0.036	0.009	0.005	0.005	0.008	0.005	--	MEAN

LOCATION - LAT 54 56 05 N DRAINAGE AREA, 18.6 km²
LONG 117 46 35 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0 ON AUG 19 *	---	1967
1968	0.985 AT 01:10 MST ON JUL 14	0.354 ON JUN 14	---	---	1968
1969	---	0.411B ON APR 29	0 E ON JAN 27	---	1969
1970	0.464 AT 02:00 MST ON APR 22	0.450 ON APR 21	0 ON AUG 11	---	1970
1971	1.51 AT 01:00 MST ON JUN 27	1.09 ON JUN 27	---	---	1971
1972	---	0.906B ON APR 28	---	---	1972
1973	0.906 AT 06:00 MST ON JUN 11	0.796 ON JUN 11	---	---	1973
1974	1.46 AT 23:00 MST ON APR 23	1.27 ON APR 24	0 ON JUL 27	---	1974
1975	---	0.314 ON APR 20	0 A ON APR 2	---	1975
1976	---	1.08 ON JUN 8	---	---	1976
1977	---	1.59 ON APR 9	---	---	1977
1978	---	1.01 ON APR 26	---	---	1978
1979	1.95 AT 13:40 MST ON JUN 14	1.75 ON APR 29 *	0.001 ON AUG 15	---	1979
1980	0.278 AT 10:12 MST ON JUN 6	0.271 ON JUN 6	0 B ON APR 1	---	1980
1981	3.40 AT 13:50 MDT ON MAY 6 *	---	---	---	1981
1982	1.59 AT 02:33 MST ON AUG 3	0.720 ON AUG 4	0 ON JUN 24	---	1982
MEAN				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCKY RIVER AT HAWES - STATION NO. 07AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	46.3	16.1	8.04	4.68	2.71	---	1913
1914	2.72	1.86	2.12	5.60	14.3	52.8	60.4	15.4	13.3	11.1	4.51	2.86	15.7	1914
1915	1.58	0.726	2.83	2.87	11.7	37.1	58.3	25.1	14.9	9.41	5.95	1.67	14.4	1915
1916	0.345	0.949	2.09	3.48	9.60	48.1	47.0	34.0	22.2	10.7	5.76	1.67	15.9	1916
1917	1.87	0.819	1.35	1.65	17.7	40.1	39.1	18.1	14.8	11.3	6.49	4.14	13.2	1917
1918	3.14	4.13	4.22	4.17	12.8	64.1	49.0	22.0	12.9	7.08	---	---	---	1918
1919	---	---	---	---	16.6	---	---	---	---	---	---	---	---	1919
MEAN	1.93	1.70	2.52	3.55	13.8	48.4	50.8	26.8	15.7	10.3	5.48	2.61	14.8	MEAN

LOCATION - LAT 53 08 25 N DRAINAGE AREA, 1 140 km²
LONG 117 58 46 W NATURAL FLOW

ROCKY RIVER AT HAWES - STATION NO. 07AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	150 ON JUL 9	1.50 B ON FEB 5	494 000	1914
1915	---	168 E ON JUN 27 *	0.181B ON FEB 9	455 000	1915
1916	---	102 ON JUN 19	0.170B ON JAN 26 *	502 000	1916
1917	---	66.5 ON JUL 3	0.680B ON JAN 31	416 000	1917
1918	---	106 ON JUN 24	2.27 B ON JAN 30	---	1918
1919	---	---	---	---	1919
MEAN				467 000	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO. 1 SPILL - STATION NO. 05BN015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0.199	0.086	0.491	0.334	0.362	0.114	---	---	0.265	1968
1969	---	---	---	---	0.382	0.332	0.310	0.249	0.156	0.152	---	---	0.258	1969
1970	---	---	---	---	0.112	0.206	0.132	0.228	0.251	0.170	---	---	0.183	1970
1971	---	---	---	---	0.207	0.157	0.175	0.314	0.484	0.159	---	---	0.249	1971
1972	---	---	---	---	0.386	0.640	0.636	0.424	0.409	0.210	---	---	0.450	1972
1973	---	---	---	---	0.452	0.327	0.260	0.046	0.167	0.044	---	---	0.201	1973
1974	---	---	---	---	0.024	0.252	0.391	0.505	0.348	0.081	---	---	0.273	1974
1975	---	---	---	---	0.039	0.221	0.535	0.513	0.329	0.646	---	---	0.382	1975
1976	---	---	---	---	0.384	0.679	0.421	0.646	0.339	0.407	---	---	0.472	1976
1977	---	---	---	---	0.591	0.669	0.310	0.105	0.261	0.318	---	---	0.381	1977
1978	---	---	---	---	0.226	0.539	0.589	0.483	0.184	0.157	---	---	0.355	1978
1979	---	---	---	---	0.335	0.517	0.449	0.327	0.689	0.128	---	---	0.409	1979
1980	---	---	---	---	0.576	0.368	0.358	0.386	0.315	0.181	---	---	0.364	1980
1981	---	---	---	---	0.999	0.770	0.931	0.881	0.469	0.263	---	---	0.720	1981
1982	---	---	---	---	0.352	0.592	1.38	0.827	0.626	0.190	---	---	0.648	1982
MEAN	---	---	---	---	0.383	0.424	0.488	0.447	0.359	0.215	---	---	0.379	MEAN

LOCATION - LAT 50 10 00 N
LONG 111 49 00 W REGULATED

ROLLING HILLS CANAL NO. 1 SPILL - STATION NO. 05BN015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.15 ON SEP 16	0 ON MAY 2 *	4 210	1968
1969	---	1.18 ON SEP 19	0 E ON SEP 9	4 110	1969
1970	---	0.937 ON AUG 31	0 ON MAY 1	2 900	1970
1971	---	1.07 ON MAY 12	0 ON MAY 1	3 950	1971
1972	---	1.88 ON JUN 13	0.001 ON SEP 4	7 150	1972
1973	---	2.38 ON JUN 15	0 ON JUN 13	4 470	1973
1974	---	1.35 ON AUG 15	0 ON MAY 1	4 350	1974
1975	---	2.15 ON OCT 26	0 ON MAY 3	6 060	1975
1976	---	1.84 ON AUG 18	0 ON MAY 3	7 510	1976
1977	---	2.34 ON JUN 17	0.002 ON OCT 31	6 060	1977
1978	---	1.63 ON AUG 24	0 E ON OCT 29	5 640	1978
1979	---	1.79 ON MAY 27	0 ON OCT 28	6 500	1979
1980	---	1.58 ON JUN 21	0 ON OCT 19	5 790	1980
1981	---	2.35 A ON MAY 16	0 ON OCT 19	11 400	1981
1982	---	4.55 ON JUL 2 *	0 ON MAY 1	10 300	1982
MEAN				6 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BN019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.291	0.289	---	---	---	---	---	---	1966
1968	---	---	---	---	0.113	0.018	0.070	0.224	0.001	0.001	---	---	0.072	1968
1969	---	---	---	---	0.099	0.267	0.308	0.192	0.121	0.105	---	---	0.182	1969
1970	---	---	---	---	0.136	0.062	0.250	0.305	0.418	0.061	---	---	0.205	1970
1971	---	---	---	---	0.115	0.287	0.213	0.200	0	0.026	---	---	0.140	1971
1972	---	---	---	---	0.195	0.282	0.168	0.257	0.194	0.102	---	---	0.199	1972
1973	---	---	---	---	0.293	0.380	0.346	0.607	0.094	0	---	---	0.287	1973
1974	---	---	---	---	0.182	0.238	0.329	0.609	0.222	0.206	---	---	0.298	1974
1975	---	---	---	---	0.020	0.277	0.155	0.263	0.310	0.104	---	---	0.187	1975
1976	---	---	---	---	0.105	0.290	0.204	0.200	0.142	0.322	---	---	0.224	1976
1977	---	---	---	---	0.112	0.225	0.257	0.263	0.073	0.069	---	---	0.167	1977
1978	---	---	---	---	0.121	0.179	0.315	0.262	0.104	0.132	---	---	0.186	1978
1979	---	---	---	---	0.224	0.284	0.352	0.295	0.178	0.135	---	---	0.245	1979
1980	---	---	---	---	0.248	0.100	0.561	0.383	0.158	0.051	---	---	0.261	1980
1981	---	---	---	---	0.465	0.382	0.505	0.443	0.247	0.140	---	---	0.364	1981
1982	---	---	---	---	0.284	0.311	0.758	0.511	0.289	0.175	---	---	0.338	1982
MEAN	---	---	---	---	0.186	0.287	0.297	0.331	0.170	0.109	---	---	0.224	MEAN

LOCATION - LAT 50 08 59 N
LONG 111 41 10 W REGULATED

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BH019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1968	---	1.26 ON AUG 11	0 ON MAY 1 *	1 140	1968
1969	---	0.753 ON JUL 3	0 ON MAY 1	2 890	1969
1970	---	0.753 ON SEP 1	0 ON MAY 1	3 260	1970
1971	---	1.00 ON JUN 1	0 ON MAY 1	2 230	1971
1972	---	0.558 ON AUG 21	0 ON MAY 1	3 170	1972
1973	---	1.18 ON AUG 8	0 ON MAY 1	4 570	1973
1974	---	1.12 ON AUG 12	0 ON OCT 21	4 740	1974
1975	---	1.28 ON JUN 17	0 ON OCT 28	2 970	1975
1976	---	1.06 ON OCT 19	0 ON MAY 3	3 560	1976
1977	---	0.558 ON JUL 31	0 ON MAY 14	2 650	1977
1978	---	0.855 ON JUL 30	0 ON SEP 26	2 950	1978
1979	---	0.716 ON JUL 4	0 ON MAY 2	3 890	1979
1980	---	1.18 ON JUL 23	0 ON MAY 1	4 160	1980
1981	---	1.63 ON JUN 14 *	0.001 ON MAY 21	5 790	1981
1982	---	1.10 ON MAY 8	0 ON MAY 1	5 380	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 560	MEAN

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.261	0.141	0.157	0.043	0.012	---	---	---	1920
1921	---	---	---	0.336	0.256	0.135	0.099	0.079	0.018	0.018	---	---	---	1921
1922	---	---	---	0.459	0.260	0.131	0.146	0.090	0.060	0.051	---	---	---	1922
1923	---	---	---	---	0.157	0.374	0.189	0.137	0.068	0.045	---	---	---	1923
1924	---	---	0	0.237	0.105	0.348	0.084	0.169	0.075	0.029	---	---	0.130	1924
1925	---	---	0.119	1.00	0.433	0.154	0.225	0.201	0.109	0.159	---	---	0.298	1925
1926	---	---	---	---	0.077	0.109	0.127	0.070	0.178	0.038	---	---	---	1926
1927	---	---	---	---	---	---	0.336	0.366	0.500	0.344	---	---	---	1927
1928	---	---	---	---	---	0.494	0.682	0.363	0.200	0.161	---	---	---	1928
1929	---	---	---	---	0.496	0.468	0.211	0.123	0.098	0.105	---	---	---	1929
1930	---	---	---	---	0.316	0.177	0.175	0.155	0.136	0.061	---	---	---	1930
MEAN	---	---	0.060	0.508	0.263	0.265	0.220	0.174	0.135	0.093	---	---	0.214	MEAN

LOCATION - LAT 49 00 15 N DRAINAGE AREA, 86.5 km^2
LONG 113 09 20 W NATURAL FLOW

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	1.05 AT 13:30 MST ON APR 11	0.793 ON APR 11	0E ON JUL 22 *	---	1921
1922	---	1.16 B ON APR 29	---	---	1922
1923	---	1.45 ON JUN 22	---	---	1923
1924	1.87 AT 04:00 MST ON JUN 8	1.76 ON JUN 8	0B ON MAR 1	2 750	1924
1925	2.10 AT 10:00 MST ON APR 23 *	1.67 ON APR 13	0B ON MAR 1	6 320	1925
1926	---	0.232 ON JUL 13	---	---	1926
1927	---	2.41 ON SEP 14 *	---	---	1927
1928	---	2.18 ON JUL 1	---	---	1928
1929	---	1.41 ON JUN 3	---	---	1929
1930	---	0.830 ON APR 30	---	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 540	MEAN

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.649	0.054	0.070	0.227	0.138	---	---	---	1911
1912	---	---	---	---	0.315	0.057	0.166	0.046	0.036	0.111	---	---	---	1912
1913	---	---	---	---	0.444	0.155	0.161	0.071	0.019	---	---	---	---	1913
1914	---	---	---	0.517	0.118	0.002	0.003	0.018	0.010	0.325	---	---	---	1914
1915	---	---	---	0.274	0.333	2.32	1.13	0.891	0.675	0.461	---	---	---	1915
1916	---	---	---	0.561	0.881	1.63	0.544	0.380	0.481	0.325	---	---	---	1916
1936	---	---	0.313	0.712	0.054	0.030	0	0.021	0.001	0.017	---	---	0.142	1936
1937	---	---	0.029	0.320	0.111	0.726	0.007	0.003	0.006	0.056	---	---	0.155	1937
1938	---	---	0.376	0.690	0.525	0.072	0.097	0.091	0.041	0.023	---	---	0.239	1938
1939	---	---	0.172	0.091	0.030	0.121	0.009	0	0.001	0.010	---	---	0.054	1939
1940	---	---	0.246	0.247	0.118	0.058	0.050	0.026	0.025	0.027	---	---	0.100	1940
1941	---	---	0.102	0.042	0.036	0.106	0.043	0.040	0.055	0.030	---	---	0.057	1941
1942	---	---	0.035	0.220	0.267	0.349	0.136	0.255	0.134	0.075	---	---	0.183	1942
1943	---	---	0.932	0.823	0.567	0.527	0.093	0.056	0.065	0.052	---	---	0.388	1943
1944	---	---	0.070	0.199	0.139	0.155	0.039	0.037	0.031	0.034	---	---	0.087	1944
1945	---	---	0.075	0.025	0.115	0.380	0.075	0.049	0.098	0.052	---	---	0.108	1945
1946	---	0.036	0.292	0.121	0.090	0.072	0.070	0.029	0.085	0.135	---	---	0.112	1946
1947	---	0.145	2.32	0.654	0.251	0.167	0.079	0.091	0.153	0.095	---	---	0.478	1947
1948	---	---	0.251	2.00	1.10	3.57	0.481	0.267	0.112	0.093	---	---	0.973	1948
1949	---	---	0.275	0.428	0.548	0.271	0.111	0.091	0.129	0.175	---	---	0.253	1949
1950	---	---	0.195	0.901	0.646	0.292	0.222	0.101	0.095	0.121	---	---	0.320	1950
1951	---	---	1.23	1.17	1.33	2.63	1.39	0.544	1.17	0.666	---	---	1.26	1951
1952	---	---	1.05	2.38	0.469	0.219	0.224	0.227	0.229	0.200	---	---	0.621	1952
1953	---	---	0.541	1.88	1.04	6.68	0.267	0.170	0.150	0.151	---	---	1.34	1953
1954	---	0.323	0.267	1.84	0.790	0.327	0.045	0.134	0.217	0.162	---	---	0.469	1954
1955	---	---	0.096	2.23	2.20	0.386	0.301	0.106	0.138	0.063	---	---	0.687	1955
1956	---	---	0.801	0.460	0.370	0.199	0.532	0.171	0.136	0.119	---	---	0.349	1956
1957	---	0.040	0.624	0.513	0.396	0.187	0.045	0.063	0.051	0.073	---	---	0.244	1957
1958	---	---	0.563	1.79	0.276	0.284	0.291	0.306	0.139	0.049	---	---	0.459	1958
1959	---	---	0.689	1.21	0.540	0.139	0.059	0.107	0.123	0.123	---	---	0.372	1959
1960	---	---	1.55	0.353	0.474	0.122	0.038	0.140	0.094	0.023	---	---	0.351	1960
1961	---	---	0.115	0.121	0.448	0.052	0.015	0.014	0.075	0.068	---	---	0.114	1961
1962	---	---	0.839	0.389	0.134	0.069	0.018	0.067	0.106	0.011	---	---	0.204	1962
1963	---	---	0.065	0.044	0.007	0.132	0.083	0.053	0.075	0.043	---	---	0.062	1963
1964	---	---	0.047	0.391	1.44	1.70	0.158	0.083	0.218	0.138	---	---	0.519	1964
1965	---	---	0.841	3.00	0.345	0.858	0.346	0.149	0.260	0.112	---	---	0.731	1965
1966	---	---	0.864	0.401	0.243	1.31	0.368	0.185	0.135	0.147	---	---	0.455	1966
1967	---	---	1.59	0.678	2.43	1.39	0.245	0.160	0.149	0.120	---	---	0.847	1967
1968	---	---	0.404	0.263	0.557	0.440	0.110	0.190	0.661	0.361	---	---	0.372	1968
1969	---	---	1.50	1.80	0.225	0.958	0.665	0.088	0.090	0.068	---	---	0.671	1969
1970	---	---	0.162	0.399	0.312	0.335	0.091	0.081	0.093	0.048	---	---	0.189	1970
1971	---	---	0.287	0.798	0.478	0.341	0.111	0.057	0.081	0.060	---	---	0.275	1971
1972	---	---	2.96	0.752	0.460	0.247	0.185	0.163	0.160	0.145	---	---	0.637	1972
1973	---	---	0.306	0.215	0.141	0.123	0.040	0.016	0.065	0.005	---	---	0.114	1973
1974	---	---	0.245	0.486	0.668	0.141	0.041	0.098	0.117	0.044	---	---	0.230	1974
1975	---	---	0	1.42	2.76	1.40	0.171	0.168	0.161	0.136	---	---	0.774	1975
1976	---	---	0.732	0.395	0.479	0.280	0.064	0.147	0.075	0.057	---	---	0.279	1976
1977	---	---	0.069	0.202	0.092	0.076	0.045	0.047	0.045	0.024	---	---	0.075	1977
1978	---	---	0.846	0.277	0.183	0.212	0.139	0.185	0.479	0.034	---	---	0.294	1978
1979	---	---	1.36	1.36	0.807	0.183	0.095	0.084	0.056	0.015	---	---	0.495	1979
1980	---	---	0.142	0.493	0.510	0.359	0.101	0.132	0.163	0.048	---	---	0.242	1980
1981	---	---	0.355	0.256	0.914	0.754	0.207	0.120	0.079	0.092	---	---	0.347	1981
1982	---	---	0.042	1.71	0.240	0.201	0.127	0.008	0	0.012	---	---	0.289	1982
MEAN	---	0.136	0.572	0.770	0.547	0.650	0.192	0.130	0.156	0.111	---	---	0.383	MEAN

LOCATION - LAT 49 07 30 N DRAINAGE AREA, 219 km²
LONG 113 08 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	0 ON JUL 6 *	---	1912
1913	---	---	0 ON JUL 23	---	1913
1914	---	---	0 ON MAY 30	---	1914
1915	---	5.95 ON JUN 26	---	---	1915
1916	---	4.56 ON JUN 30	---	---	1916
1936	6.09 B ON APR 10	3.77 B ON APR 10	0 ON JUN 25	3 020	1936
1937	---	5.61 ON JUN 13	0 B ON MAR 1	3 280	1937
1938	3.88 B ON MAR 16	2.01 ON APR 10	0 ON SEP 29	5 070	1938
1939	0.821B AT 07:00 MST ON MAR 22	0.677B ON MAR 24	0 B ON MAR 1	1 160	1939
1940	1.47 B AT 21:00 MST ON MAR 28	1.30 B ON MAR 28	0 B ON MAR 1	2 110	1940
1941	---	0.340B ON MAR 8	0.006 ON JUL 22	1 200	1941
1942	1.05 AT 07:00 MST ON JUN 6	1.04 ON JUN 6	0 B ON MAR 1	3 880	1942
1943	12.7 ON MAR 28	8.69 ON MAR 28	0.028B ON MAR 4	8 230	1943
1944	0.535 AT 19:00 MST ON APR 3	0.498 ON APR 3	0 B ON MAR 1	1 850	1944
1945	---	0.878 ON JUN 8	0 B ON MAR 1	2 280	1945
1946	0.963B AT 18:00 MST ON MAR 12	0.736B ON MAR 12	0.008 ON AUG 9	2 370	1946
1947	---	7.08 B ON MAR 19	0 B ON MAR 5	10 100	1947
1948	26.8 AT 20:00 MST ON JUN 17	14.6 ON JUN 17	0.028B ON MAR 1	20 600	1948
1949	1.64 AT 18:00 MST ON MAY 23	1.61 ON MAY 23	0 B ON MAR 1	5 360	1949
1950	---	3.43 B ON APR 1	0.028B ON MAR 1	6 780	1950
1951	20.3 AT 18:00 MST ON JUN 24	12.9 ON JUN 24	0.014B ON MAR 1	26 700	1951
1952	---	8.27 B ON MAR 30	0.014 ON MAR 1	13 200	1952
1953	36.5 AT 18:00 MST ON JUN 3 *	27.2 E ON JUN 9 *	0.057B ON MAR 10	28 400	1953
1954	6.17 B AT 18:00 MST ON APR 8	4.98 B ON APR 8	0 B ON MAR 1	9 930	1954
1955	14.3 AT 18:00 MST ON MAY 19	12.5 ON MAY 20	0 B ON MAR 1	14 600	1955
1956	5.04 AT 18:00 MST ON JUL 3	3.57 ON JUL 4	0 B ON MAR 1	7 390	1956
1957	1.70 B AT 18:00 MST ON MAR 13	1.44 B ON MAR 13	0.011 ON SEP 25	5 160	1957
1958	6.63 B AT 23:00 MST ON APR 1	4.87 B ON APR 1	0.028B ON MAR 17	9 720	1958
1959	7.70 B AT 08:00 MST ON MAR 26	4.53 B ON MAR 26	0.031 ON JUL 16	7 870	1959
1960	---	9.08 B ON MAR 20	0.017 ON OCT 9	7 440	1960
1961	---	1.67 ON MAY 11	0 ON JUL 2	2 410	1961
1962	---	2.62 B ON MAR 21	0 B ON MAR 1	4 330	1962
1953	---	0.504 ON JUN 25	0 ON MAY 21	1 320	1963
1964	17.8 AT 18:00 MST ON JUN 8	7.50 ON JUN 8	0.006B ON MAR 1	11 000	1964
1965	---	8.55 B ON APR 5	0.031B ON MAR 16	15 500	1965
1966	---	5.78 A ON JUN 5	0.017B ON MAR 1	9 620	1966
1967	---	9.46 B ON MAR 23	0.076 ON AUG 26	17 900	1967
1968	3.48 AT 24:00 MST ON SEP 26	3.34 ON SEP 27	0.022 ON JUL 16	7 880	1968
1969	18.1 AT 22:30 MST ON MAR 31	9.00 ON APR 1	0.025 ON OCT 30	14 200	1969
1970	2.15 AT 14:33 MST ON JUN 17	1.80 ON JUN 17	0.021 ON OCT 8	4 000	1970
1971	---	2.36 B ON MAR 30	0.021B ON OCT 28	5 820	1971
1972	13.3 AT 07:15 MST ON MAR 15	12.8 ON MAR 15	0 B ON MAR 1	13 500	1972
1973	---	0.654B ON MAR 1	0 ON AUG 26	2 400	1973
1974	3.51 AT 05:25 MST ON MAY 1	2.83 ON MAY 1	0 ON AUG 4	4 870	1974
1975	15.4 AT 01:30 MST ON APR 29	10.1 ON APR 29	0 B ON MAR 1	16 400	1975
1976	10.8 B AT 23:30 MST ON MAR 17	4.05 B ON MAR 17	0.037B ON MAR 7	5 900	1976
1977	1.50 B AT 17:55 MST ON APR 3	1.13 ON APR 9	0 ON JUL 24	1 580	1977
1978	---	5.21 B ON MAR 24	0 B ON MAR 1	6 220	1978
1979	4.60 AT 00:15 MST ON APR 10	3.64 B ON MAR 16	0 B ON MAR 1	10 500	1979
1980	5.55 AT 19:40 MST ON MAY 26	4.09 ON MAY 26	0.021B ON MAR 5	5 140	1980
1981	9.33 AT 11:05 MST ON JUN 14	5.68 ON JUN 14	0.030B ON MAR 19	7 340	1981
1982	---	9.50 B ON APR 14	0 B ON MAR 1	6 110	1982
				8 120	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	0.283	0.305	0.090	0.160	---	---	1917
1918	---	---	---	---	0.160	0.136	0.179	0.235	0.168	0.032	---	---	---	1918
1919	---	---	---	0.200	0.251	0.094	0.027	0.059	0.021	0.037	---	---	---	1919
1920	---	---	---	0.994	1.03	0.162	0.055	0.108	0.066	0.015	---	---	---	1920
MEAN	---	---	---	0.597	0.480	0.131	0.087	0.171	0.148	0.044	0.160	---	---	MEAN

LOCATION - LAT 49 02 45 N DRAINAGE AREA, 115 km^2
LONG 113 06 50 W NATURAL FLOW

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	0.651B ON APR 1	0B ON MAR 28 *	---	1919
1920	---	2.66 B ON APR 16 *	---	---	1920
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	1.16	1.10	1.39	0.012	0.005	0.001	---	---	---	1979
1980	---	---	---	1.75	---	---	0.172	0.131	0.042	---	---	---	---	1980
1981	---	---	---	0.531	0.138	0.038	0	0.001	0	0	---	---	0.100	1981
1982	---	---	---	2.91	0.538	0.020	0.138	0.020	0	0	---	---	0.511	1982
MEAN	---	---	---	1.73	0.612	0.386	0.425	0.041	0.012	0	---	---	0.306	MEAN

LOCATION - LAT 54 04 20 N
LONG 114 54 05 W

DRAINAGE AREA, 114 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	---	5.02 ON JUL 13	0 ON JUL 27 *	---	1979
1980	---	---	0 ON MAY 20	---	1980
1981	---	1.44 ON APR 1	0 ON JUN 30	1 850	1981
1982	18.0 AT 12:00 MST ON APR 24 *	16.8 ON APR 24 *	0B ON APR 1	9 460	1982
				5 660	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.454	0.920	0.641	0.502	0.575	1.32	---	---	0.735	1957
1958	---	---	---	---	0.300	1.01	1.38	1.14	0.601	1.12	---	---	0.927	1958
1959	---	---	---	---	0.522	1.41	0.563	0.962	1.05	0.773	---	---	0.877	1959
1960	---	---	---	---	0.316	0.518	1.05	1.07	2.30	0.970	---	---	1.03	1960
1961	---	---	---	---	0.707	1.48	0.837	0.611	0.578	0.467	---	---	0.776	1961
1962	---	---	---	---	0.577	1.12	0.818	0.902	1.00	0.658	---	---	0.844	1962
1963	---	---	---	---	0.838	0.792	0.689	1.02	0.607	0.409	---	---	0.726	1963
1964	---	---	---	---	0.218	1.19	1.19	1.44	0.854	0.625	---	---	0.919	1964
1965	---	---	---	---	0.015	1.36	0.931	0.852	1.00	0.973	---	---	0.852	1965
1966	---	---	---	---	0.082	1.57	2.09	2.14	1.94	1.35	---	---	1.53	1966
1967	---	---	---	---	0.093	1.21	0.956	1.66	1.06	0.302	---	---	0.877	1967
1968	---	---	---	---	0.938	1.26	1.03	0.963	0.944	0.377	---	---	0.916	1968
1969	---	---	---	---	0.312	1.02	0.450	1.05	1.10	0.458	---	---	0.728	1969
1970	---	---	---	---	0.559	0.991	1.23	0.777	0.956	0.471	---	---	0.829	1970
1971	---	---	---	0	0.250	0.854	0.630	0.587	0.402	0.281	0.023	---	0.499	1971
1972	---	---	---	---	0.446	0.871	0.611	0.444	0.857	0.579	---	---	0.632	1972
1973	---	---	---	---	0.834	1.19	0.958	0.704	0.178	0.177	---	---	0.674	1973
1974	---	---	---	---	0.329	0.696	0.812	0.894	0.687	0.430	0.075	---	0.641	1974
1975	---	---	---	---	0.372	1.24	1.35	1.58	1.06	0.644	---	---	1.04	1975
1976	---	---	---	---	0.667	0.864	1.03	0.939	0.655	0.428	0.117	---	0.764	1976
1977	---	---	---	---	0.513	0.513	0.734	0.676	0.811	0.702	0.501	---	0.658	1977
1978	---	---	---	---	0.003	0.438	0.510	0.591	1.05	2.51	---	---	0.853	1978
1979	---	---	---	---	0.086	1.10	0.722	0.561	0.285	0.152	---	---	0.482	1979
1980	---	---	---	---	0.488	0.549	0.479	0.690	0.375	0.296	0.088	---	0.480	1980
1981	---	---	---	---	0.381	1.18	0.675	0.749	0.636	0.707	---	---	0.714	1981
1982	---	---	---	---	0.795	1.35	0.904	1.11	0.695	1.56	0.357	---	1.07	1982
MEAN	---	---	---	0	0.427	1.03	0.895	0.947	0.856	0.721	0.194	---	0.811	MEAN

LOCATION - LAT 50 02 40 N
LONG 111 35 00 W

REGULATED

RONALANE WASTEWAY NEAR HAYS STATION NO. 05BN007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957		2.75 ON OCT 1	0 ON MAY 1 *	11 700	1957
1958		3.06 ON OCT 21	0 ON MAY 1	14 800	1958
1959		3.20 ON MAY 27	0 ON MAY 1	14 000	1959
1960		4.90 ON SEP 20	0 ON MAY 1	16 900	1960
1961		4.85 ON JUN 28	0 ON MAY 1	12 100	1961
1962		6.29 ON JUL 14 *	0 ON MAY 1	11 400	1962
1963		4.96 ON JUN 21	0 ON MAY 1	11 500	1963
1964		2.76 ON JUN 15	0 ON MAY 1	14 600	1964
1965		3.40 ON JUN 24	0 A ON MAY 7	11 500	1965
1966		3.34 ON JUL 11	0 ON MAY 1	26 100	1966
1967		3.65 ON AUG 2	0 E ON MAY 1	11 900	1967
1968		2.87 ON MAY 15	0 ON MAY 1	14 600	1968
1969		2.06 ON JUN 10	0 ON MAY 1	11 600	1969
1970		1.21 ON JUN 14	0 A ON MAY 1	13 200	1970
1971		1.65 ON JUN 11	0 ON MAY 1	7 910	1971
1972		1.70 ON MAY 24	0.048 ON AUG 25	10 100	1972
1973		2.66 ON JUN 16	0 ON MAY 1	10 700	1973
1974		1.97 ON JUL 4	0 ON MAY 1	10 200	1974
1975		2.92 ON JUL 10	0.099 ON MAY 18	16 500	1975
1976		2.18 ON JUL 16	0 ON MAY 1	12 200	1976
1977		1.99 ON OCT 27	0 ON MAY 1	10 500	1977
1978		1.28 ON OCT 21	0 ON MAY 5	13 500	1978
1979		1.96 ON MAY 31	0 ON MAY 1	7 660	1979
1980		1.31 ON MAY 25	0 ON MAY 1	7 620	1980
1981		2.72 ON JUN 18	0.011 ON MAY 1	11 400	1981
1982		1.52 ON OCT 28	0 ON MAY 1	17 000	1982
				12 900	MEAN

A MANUAL GAUGE (SEE REFERENCE INDEX) E ESTIMATED * EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK NEAR ALDER FLATS STATION NO. 05DB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972			0.268	2.69	2.01	6.91	1.87	0.196	0.228	0.611			1.76	1972
1973			0.199	3.95	5.16	1.19	2.00	2.99	0.886	0.487			2.69	1973
1974			0.161	14.6	11.9	2.19	4.46	0.416	0.448	0.297			4.12	1974
1975			0.135	1.95	1.42	1.02	0.802	0.171	0.299	0.100			0.795	1975
1976			0.160	1.31	0.418	0.898	0.611	1.52	0.599	0.281			0.911	1976
1977			0.158	1.62	14.2	2.99	0.462	0.769	1.99	0.872			2.89	1977
1978			0.041	1.81	6.02	5.92	0.659	0.205	1.04	0.580			2.16	1978
1979			0.297	2.25	1.45	0.874	1.09	0.429	0.178	0.288			0.854	1979
1980			0.137	6.25	6.19	41.2	9.10	2.71	5.49	1.61			6.80	1980
1981			0.954	1.65	11.1	1.61	7.22	2.18	0.152	0.315			3.61	1981
1982			0.119	1.21	1.31	1.47	16.0	0.444	0.802	2.18			3.50	1982
MEAN			0.291	4.44	5.79	6.51	4.00	1.10	1.06	0.711			2.76	MEAN

LOCATION LAT 52 55 48 N DRAINAGE AREA 511 km²
LONG 115 00 16 W NATURAL FLOW

ROSE CREEK NEAR ALDER FLATS STATION NO. 05DB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972		50.4 ON JUN 26	0.042B ON MAR 1 *	18 000	1972
1973		18.8 ON APR 10	0.127B ON MAR 14	57 000	1973
1974		49.9 ON APR 26	0.131B ON MAR 11	91 400	1974
1975		6.09B ON APR 21	0.059 ON OCT 8	16 800	1975
1976		11.1 ON AUG 10	0.068B ON APR 1	19 700	1976
1977		41.9 ON MAY 29	0.150B ON MAR 9	61 100	1977
1978		22.1 ON MAY 31	0.096B ON MAR 1	49 600	1978
1979		7.64B ON APR 26	0.068B ON MAR 1	18 100	1979
1980		106 ON JUN 5 *	0.069B ON MAR 1	188 000	1980
1981	71.6 AT 01:15 MST ON MAY 8	69.4 ON MAY 8	0.077 ON SEP 19	72 100	1981
1982	106 AT 22:00 MST ON JUL 5 *	87.0 ON JUL 5	0.068B ON MAR 17	78 100	1982
				58 400	MEAN

B ICE CONDITIONS * EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT BEYNON   STATION NO 05CE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922				5.47	2.56	4.97	8.39	7.61	5.38	1.85				1922
1923			0.676	1.37	2.67	6.01	2.80	4.67	1.90	0.593			2.49	1923
1924			0.221	1.71	2.13	3.75	2.37	1.70	2.34	2.10			2.29	1924
1925			10.1	16.2	3.35	4.00	4.94	4.98	3.64	1.66			5.45	1925
1926			5.64	1.26	2.28	5.47	3.21	3.82	5.56	1.69			3.60	1926
1927			13.5	0.89	2.08	2.34	3.65	2.36	3.80	1.57			4.75	1927
1928			14.1	3.16	2.05	10.1	3.92	1.88	2.81	0.813			4.90	1928
1929			0.112	0.728	2.26	2.19	3.86	4.96	2.28	1.70			2.31	1929
1930		2.81	1.70	1.30	1.72	5.39	4.81	4.85	4.98	5.10			3.71	1930
1931			0.252	0.566										1931
1935									3.14	1.35				1935
1936			11.4		1.37	1.58	2.48	2.15	2.33	1.61				1936
MEAN		2.81	5.79	4.02	2.27	4.59	3.78	3.63	3.46	1.75			3.66	MEAN

LOCATION   LAT 51 20 00 N   DRAINAGE AREA 1 990 km²
LONG 112 46 55 W   REGULATED

ROSEBUD RIVER AT BEYNON   STATION NO 05CE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1922		13.0 ON APR 24			1922
1923		44.7 ON JUN 1	0.170B ON OCT 10	48 500	1923
1924		6.14 ON AUG 1	0.0288 ON MAR 8	48 500	1924
1925		80.7 B ON MAR 29 *	0 B ON MAR 1 *	115 000	1925
1926		33.1 B ON MAR 6	0.0598 ON APR 4	76 400	1926
1927		93.6 B ON MAR 27	0 B ON MAR 1	101 000	1927
1928		67.1 B ON MAR 20	0 B ON MAR 1	104 000	1928
1929		5.88 ON JUL 10	0.0288 ON MAR 1	49 000	1929
1930		18.9 ON JUN 24	0.113B ON MAR 6	78 500	1930
1931			0 B ON MAR 1		1931
1935					1935
1936		90.5 B ON MAR 8	0 B ON MAR 1		1936
MEAN				77 600	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT REDLAND   STATION NO 05CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951							3.89	1.56	5.10	1.80				1951
1952					3.99	5.50	3.16	1.44	1.45	1.28				1952
1953					3.61	7.10	6.18	1.72	2.11	0.939				1953
1954					5.73	4.50	2.45	9.50	9.29	2.92				1954
1955					8.70	1.44	1.70	4.08	4.14	1.10				1955
1956					1.91	1.02	2.96	2.75	2.16	0.698				1956
1957					1.62	2.79	2.28	2.95	1.68	1.03				1957
1958					1.61	2.61	2.35	1.08	1.81	0.918				1958
1959					1.49	1.02	1.88	2.82	2.35	0.715				1959
1960					2.29	2.48	1.80	1.80	1.31	0.651				1960
1961					2.98	1.66	0.905	1.88	1.19	0.760				1961
1962					1.66	2.22	3.01	1.04	2.18	0.581				1962
1963					0.987	1.87	1.28	1.20	1.28	0.885				1963
1964					1.19	2.41	1.32	1.06	1.41	0.996				1964
1965					1.60	1.80	6.07	2.14	3.56	1.81				1965
1966					1.01	6.17	6.88	1.69	0.967	0.765				1966
1967			0.400	26.4	8.67	2.67	3.61	1.34	1.51	1.05			5.10	1967
1968					1.81	2.59	2.54	2.72	4.88	1.78				1968
1969					2.10	1.82	2.50	1.35	2.12	1.30				1969
1970			1.90	2.06	1.02	5.33	3.37	1.88	2.37	1.76			2.99	1970
1971			4.05	41.5	1.13	3.30	1.79	1.91	2.15	0.981			7.25	1971
1972			6.48	2.20	1.90	2.52	2.19	1.39	2.21	1.05			2.66	1972
1973			8.01	8.19	2.62	3.13	1.91	1.92	2.69					1973
1974			0.181	28.0	8.12	2.45	1.91	1.90	1.94	1.10			5.12	1974
1975			0	1.87	2.98	2.93	1.83	2.47	2.06	1.16			2.07	1975
1976			2.55	1.82	1.31	2.50	2.07	9.23	1.78	0.915			2.39	1976
1977			0.219	0.384	1.98	1.86	0.736	1.28	1.65	0.823			1.08	1977
1978			4.90	6.07	2.10	2.58	0.883	3.11	1.78	1.30			1.34	1978
1979			2.27	1.65	0.874	1.41	1.71	2.82	1.90	1.00			1.71	1979
1980			0.006	8.39	1.98	1.93	2.07	2.93	2.07	0.781			2.73	1980
1981			0.778	0.690	1.27	1.81	2.96	1.68	1.76	1.55			1.82	1981
1982			1.73	5.00	1.37	2.21	2.76	2.12	2.76	1.75			2.96	1982
MEAN			2.10	9.08	2.78	2.97	2.54	2.26	2.05	1.17			3.08	MEAN

LOCATION   LAT 51 17 35 N   DRAINAGE AREA 1 580 km²
LONG 113 00 10 W   REGULATED

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	0 ON MAR 10 *	---	1966
1967	---	48.1 ON APR 14	0.028B ON MAR 1	114 000	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	18.5 ON JUN 20	0 B ON MAR 1	51 700	1970
1971	---	177 ON APR 9 *	0.028B ON MAR 1	154 000	1971
1972	---	28.3 B ON MAR 23	0.142B ON MAR 1	51 600	1972
1973	---	33.1 B ON MAR 26	---	---	1973
1974	---	79.3 ON APR 13	0.142B ON MAR 1	108 000	1974
1975	---	12.0 B ON APR 22	0 B ON MAR 1	43 700	1975
1976	---	9.71B ON MAR 25	0.062B ON MAR 1	50 500	1976
1977	---	4.59 ON JUN 1	0.102B ON MAR 3	22 900	1977
1978	---	32.6 B ON MAR 30	0.017B ON MAR 1	66 000	1978
1979	---	8.15B ON MAR 11	0 B ON MAR 1	36 200	1979
1980	---	36.1 B ON APR 12	0 B ON MAR 1	57 800	1980
1981	---	6.85 ON MAY 16	0.092 ON APR 28	38 500	1981
1982	---	11.4 B ON APR 14	0 B ON MAR 1	52 100	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		65 200	MEAN

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.189	0.109	0.024	0.001	0	0.009	---	---	---	1957
1958	---	---	---	---	0.133	0.046	0.067	0	0	0	---	---	---	1958
1959	---	---	0.440	0.060	0.050	0.079	0.040	0.057	0.040	0.021	---	---	0.099	1959
1960	---	---	6.36	1.15	0.230	0.036	0.025	0.053	0	0	---	---	0.989	1960
1961	---	---	0.866	0.127	0.090	0.002	0.018	0	0	0	---	---	0.139	1961
1962	---	---	0.787	0.080	0.021	0.006	0	0	0	0	---	---	0.113	1962
1963	---	---	1.07	0.249	0.049	0	0.040	0	0	0	---	---	0.177	1963
1964	---	---	0	0.163	0.197	0.158	0.104	0	0	0.014	---	---	0.079	1964
1965	---	---	2.41	3.13	0.121	0.255	0.774	0.291	0.507	0.290	---	---	0.969	1965
1966	---	---	4.19	0.882	0.637	0.464	1.43	0.138	0.028	0.049	---	---	0.984	1966
1967	---	---	1.23	7.95	2.25	0.584	0.170	0.032	0.004	0	---	---	1.51	1967
1968	---	---	0.335	0.185	0.171	0.190	0.061	0.030	0.030	0.056	---	---	0.132	1968
1969	---	---	0.894	8.27	0.301	0.040	0.226	0.018	0.035	0.030	---	---	1.21	1969
1970	---	---	0.643	0.361	0.155	1.88	0.724	0.030	0.028	0.052	---	---	0.481	1970
1971	---	---	2.52	10.8	0.287	0.812	0.084	0.003	0.005	0.004	---	---	1.79	1971
1972	---	---	1.60	0.291	0.058	0.159	0.086	0.003	0.016	0.035	---	---	0.282	1972
1973	---	---	2.41	3.95	0.455	0.198	0.190	0.012	0.015	0.004	---	---	0.898	1973
1974	---	---	0	7.22	2.64	0.421	0.068	0.012	0.009	0.006	---	---	1.28	1974
1975	---	---	0.001	1.21	0.591	0.097	0.014	0	0	0	---	---	0.236	1975
1976	---	---	0.407	0.131	0.033	0.029	0.001	0.011	0.004	0	---	---	0.077	1976
1977	---	---	0.004	0.041	0.055	0.043	0	0	0	0	---	---	0.018	1977
1978	---	---	1.25	1.08	0.123	0.209	0.005	0.053	0.097	0.027	---	---	0.355	1978
1979	---	---	0.848	0.396	0.185	0.026	0.007	0.001	0	0	---	---	0.183	1979
1980	---	---	0.168	0.848	0.087	0.459	0.144	0.026	0.003	0	---	---	0.214	1980
1981	---	---	0.117	0.101	0.682	0.145	0.350	0.096	0.001	0.002	---	--	0.188	1981
1982	---	---	0.224	1.13	0.195	0.124	0.192	0.015	0	0.003	---	---	0.234	1982
MEAN	---	---	1.20	2.08	0.384	0.251	0.186	0.034	0.032	0.023	---	---	0.527	MEAN

LOCATION - LAT 51 25 00 N   DRAINAGE AREA, 753 km^2
LONG 113 43 35 W   NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	0 ON JUL 14 *	---	1957
1958	---	---	0 E ON JUN 22	---	1958
1959	---	1.08 B ON MAR 1	0 ON JUN 8	2 100	1959
1960	---	26.7 B ON MAR 20	0 B ON MAR 1	20 900	1960
1961	---	5.21 B ON MAR 20	0 B ON MAR 1	2 940	1961
1962	---	4.59 B ON MAR 18	0 B ON MAR 1	2 390	1962
1963	---	3.09 B ON MAR 24	0 ON MAY 22	3 750	1963
1964	0.968 AT 09:00 MST ON MAY 8	0.900 ON MAY 8	0 B ON MAR 1	1 670	1964
1965	---	10.8 B ON APR 7	0.017 ON AUG 23	20 500	1965
1966	---	12.1 A ON MAR 15	0 B ON MAR 1	20 800	1966
1967	---	15.8 B ON APR 8	0 B ON MAR 2	31 900	1967
1968	---	0.977B ON MAR 7	0 ON JUL 6	2 800	1968
1969	---	41.3 ON APR 2 *	0 B ON MAR 1	25 500	1969
1970	13.9 AT 23:36 MST ON JUN 17	11.9 ON JUN 17	0 B ON MAR 1	10 200	1970
1971	40.5 AT 02:30 MST ON APR 7 *	36.5 B ON APR 6	0 ON AUG 13	37 900	1971
1972	---	7.67 B ON MAR 18	0 B ON MAR 1	5 970	1972
1973	10.6 B AT 15:20 MST ON APR 5	10.0 B ON APR 5	0 ON AUG 20	19 000	1973
1974	24.2 B AT 05:40 MST ON APR 16	21.5 B ON APR 16	0 B ON MAR 1	27 100	1974
1975	3.14 B AT 00:00 MST ON APR 20	2.83 B ON APR 19	0 B ON MAR 1	5 000	1975
1976	3.03 B AT 11:25 MST ON MAR 19	2.74 B ON MAR 19	0 ON JUL 6	1 640	1976
1977	0.286 AT 13:00 MST ON JUN 4	0.238 ON JUN 4	0 B ON MAR 1	374	1977
1978	8.78 AT 24:00 MST ON MAR 30	8.04 ON MAR 31	0 B ON MAR 1	7 520	1978
1979	2.72 B AT 09:30 MST ON MAR 13	2.38 B ON MAR 13	0 B ON MAR 1	3 880	1979
1980	3.55 AT 03:30 MST ON JUN 17	2.10 B ON MAR 30	0 B ON MAR 1	4 540	1980
1981	2.92 AT 05:50 MST ON MAY 10	2.50 ON MAY 10	0 ON AUG 28	3 990	1981
1982	---	3.71 E ON APR 13	0 B ON MAR 1	4 950	1982
				11 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	1926
MEAN	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	MEAN

LOCATION - LAT 51 28 30 N   LONG 113 48 15 W   DRAINAGE AREA, 471 km^2 NATURAL FLOW

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON JUN 3 *	---	1926
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.128	0.056	0.157	0.146	0.066	---	---	---	1912
1913	---	---	---	1.32	0.171	0.059	0.048	0.032	0.019	0.112	---	---	---	1913
1914	---	---	---	0.275	---	0.055	0.001	0.006	0.030	0.116	---	---	---	1914
MEAN	---	---	---	0.798	0.171	0.081	0.035	0.065	0.065	0.098	---	---	---	MEAN

LOCATION - LAT 49 46 35 N   LONG 110 17 10 W   DRAINAGE AREA, 89.1 km^2 NATURAL FLOW

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	1.59 ON APR 6 *	0 ON APR 10 *	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.069R	---	---	---	1980
1981	---	0	0	0	0	0	0	0	0	0.138	---	---	0.018	1981
1982	---	0	0	0	0.005	---	---	0	0	0	---	---	---	1982
MEAN	---	0	0	0	0.003	0	0	0	0	0.069R	---	---	0.018	MEAN

LOCATION - LAT 49 40 40 N DRAINAGE AREA, 30.0 km²
LONG 110 17 33 W REGULATED

R - REVISED SINCE JAN 1980

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	2.48 AT 12:30 MST ON OCT 13 *	0.754 ON OCT 14 *	0B ON MAR 1 *	371	1981
1982	---	---	0B ON MAR 1	---	1982
				371	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	0.076	1982
MEAN	---	0	0.081	0.056	0.073	0.090	0.007	0	0	0	---	---	0.038	MEAN

LOCATION - LAT 49 57 15 N
LONG 110 20 20 W REGULATED

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0 ON MAR 1	0 ON MAR 1 *	0	1981
1982	---	0.974A ON MAR 30 *	0B ON MAR 1	1 610	1982
				805	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.004	0.001	---	---	---	---	---	---	1910
1911	---	---	---	0.919	0.240	0.072	0.372	0.027	0.510	0.116	---	---	---	1911
1912	---	---	---	---	0.335	0.269	0.012	0.102	0.212	0.043	---	---	---	1912
1913	---	---	---	2.36	0.355	0.036	0.054	0.015	0.001	0.001	---	---	---	1913
1914	---	---	0.792	1.20	0.202	0.004	0	0	0	0.252	---	---	0.305	1914
1915	---	---	---	1.30	0.466	1.46	0.530	0.337	0.011	0.024	---	---	---	1915
1916	---	---	2.60	0.333	1.08	4.69	2.67	0.616	0.155	0.214	---	---	1.54	1916
1917	---	---	---	10.3	3.54	0.167	0.001	0	0	0	---	---	---	1917
1918	---	---	---	1.[illegible]5	0.158	0.015	0	0	0	0	---	---	---	1918
1919	---	---	0	0.297	0.015	0	0	0	0	0	---	---	0.038	1919
1920	---	0.006	2.11	1.51	0.357	0.026	0.022	---	---	---	---	---	---	1920
1921	---	0.510	0.804	2.81	0.513	0.030	0.004	0	0	0	---	---	0.515	1921
1922	---	---	1.64	7.89	1.18	0.084	0.001	---	---	---	---	---	---	1922
1923	---	0	0.483	1.07	0.023	1.30	0.026	0	0	0	---	---	0.358	1923
1924	---	0	0	0.272	0.010	0.017	0.001	0.001	0	0	---	---	0.037	1924
1925	---	0.123	3.58	1.77	0.152	0.056	0	0	0.001	0.006	---	---	0.696	1925
1926	---	0.124	0.735	0.302	0.013	0	0	0	0	0	---	---	0.132	1926
1927	---	0	0.583	2.48	4.51	1.21	0.561	0.137	0.004	0.105	---	---	1.20	1927
1928	---	0.064	3.23	0.545	0.087	0.848	0.533	0.020	0	0	---	---	0.660	1928
1929	---	0	1.89	1.76	0.702	0.060	0	0	0	0	---	---	0.551	1929
1930	---	1.99	0.166	0.575	0.033	0.025	0	0	0.008	0.002	---	---	0.100	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	2.42	0.333	0.021	0.037	---	---	---	---	---	---	1935
1936	---	---	1.82	3.96	0.054	0.003	0	0	0	0	---	---	0.722	1936
1937	---	---	0.006	0.571	0.001	0	0	0	0	0	---	---	0.071	1937
1938	---	---	1.25	2.18	0.393	0.019	---	---	---	---	---	---	---	1938
1939	---	---	3.28	0.247	0.002	0.583	---	---	---	---	---	---	---	1939
1940	---	---	1.86	4.34	0.432	0.041	---	---	---	---	---	---	---	1940
1941	---	0.014	1.35	0.029	0	0.119	---	---	---	---	---	---	---	1941
1942	---	---	0.006	0.473	0	0.660	---	---	---	---	---	---	---	1942
1943	---	2.09	4.10	0.830	0.073	0	---	---	---	---	---	---	---	1943
1944	---	---	0.002	0.031	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.959	0.001	0	0	---	---	---	---	---	---	---	1945
1946	---	0.299	2.06	0.225	---	0	---	---	---	---	---	---	---	1946
1947	---	---	6.60	1.78	0.122	0.048	---	---	---	---	---	---	---	1947
1948	---	---	2.93	5.07	0.541	0.003	---	---	---	---	---	---	---	1948
1949	---	---	0.445	0.088	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.596	0.717	0.015	0	---	---	---	---	---	---	---	1950
1951	---	---	4.32	5.07	0.901	0.404	---	---	---	---	---	---	---	1951
1952	---	---	3.84	8.59	0.363	0.020	---	---	---	---	---	---	---	1952
1953	---	---	2.33	2.40	1.56	5.14	---	---	---	---	---	---	---	1953
1954	---	0.005	0.012	1.85	0.443	0.565	---	---	---	---	---	---	---	1954
1955	---	---	1.58	10.3	3.92	0.467	---	---	---	---	---	---	---	1955
1956	---	---	2.19	0.842	0.371	0.073	---	---	---	---	---	---	---	1956
1957	---	0.673	1.57	3.40	0.740	0.033	---	---	---	---	---	---	---	1957
1958	---	---	0.644	0.537	0.107	0	---	---	---	---	---	---	---	1958
1959	---	---	1.31	0.393	0.115	0	---	---	---	---	---	---	---	1959
1960	---	---	1.76	0.510	1.10	0.026	0	0	0	0	---	---	0.428	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.548	0.005	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.271	0.031	0	0.005	0.179	0	0	0	---	---	0.061	1963
1964	---	---	0.083	0.285	1.67	0.058	0	0	0	0	---	---	0.264	1964
1965	---	---	0.410	3.93	0.202	1.03	1.14	0.003	0.028	0.091	---	---	0.844	1965
1966	---	---	2.42	0.688	0.070	0.541	0.142	0.024	0	0.003	---	---	0.486	1966
1967	---	---	3.36	2.30	6.67	0.239	0.003	0.009	0.007	0	---	---	1.58	1967
1968	---	---	0.237	0.137	0.117	0.001	0.065	0	0	0	---	---	0.070	1968
1969	---	---	2.43	1.12	0.050	0.001	0.001	0	0.002	0	---	---	0.452	1969
1970	---	---	0.374	1.06	0.329	0.261	0.114	0	0	0	---	---	0.266	1970
1971	---	2.69	0.555	1.90	0.234	0.348	0.031	0	0	0	---	---	0.379	1971
1972	---	---	2.04	0.076	0.070	0.003	0	0.001	0	0	---	---	0.278	1972
1973	---	0.030	0.203	0.113	0.025	0.582	0	0	0	0	---	---	0.114	1973
1974	---	---	1.42	0.512	0.547	0.119	0	0	0	0	---	---	0.326	1974
1975	---	---	0	2.05	5.32	1.80	0.078	0.006	0	0	---	---	1.15	1975
1976	---	---	0.620	0.608	0.155	0.211	0.034	0	0	0	---	---	0.203	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	1.10	0.327	0.147	0.057	0	0	0.006	0	---	---	0.205	1978
1979	---	---	2.74	1.57	0.693	0.072	0.004	0	0	0	---	---	0.635	1979
1980	---	---	0.042	0.037	0	0	0	0	0	0	---	---	0.010	1980
1981	---	0.140	0	0	0	0.088	0	0	0	0	---	---	0.011	1981
1982	---	0.378	0.780	1.66	0.289	1.74	0.118	0	0	0	---	---	0.567	1982
MEAN	---	0.457	1.37	1.68	0.629	0.373	0.143	0.030	0.022	0.020	---	---	0.414	MEAN

LOCATION - LAT 49 57 17 N LONG 110 20 08 W DRAINAGE AREA, 624 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930, 1957, 1963 AND 1971

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.069R	---	---	---	1980
1981	---	0	0	0	0	0	0	0	0	0.138	---	---	0.018	1981
1982	---	0	0	0	0.005	---	---	0	0	0	---	---	---	1982
MEAN	---	0	0	0	0.003	0	0	0	0	0.069R	---	---	0.018	MEAN

LOCATION - LAT 49 40 40 N DRAINAGE AREA, 30.0 km²
LONG 110 17 33 W REGULATED

R - REVISED SINCE JAN 1980

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	2.48 AT 12:30 MST ON OCT 13 *	0.754 ON OCT 14 *	0B ON MAR 1 *	371	1981
1982	---	---	0B ON MAR 1	---	1982
				371	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	0.076	1982
MEAN	---	0	0.081	0.056	0.073	0.090	0.007	0	0	0	---	---	0.038	MEAN

LOCATION - LAT 49 57 15 N
LONG 110 20 20 W REGULATED

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0 ON MAR 1	0 ON MAR 1 *	0	1981
1982	---	0.974A ON MAR 30 *	0B ON MAR 1	1 610	1982
				805	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.004	0.001	---	---	---	---	---	---	1910
1911	---	---	---	0.919	0.240	0.072	0.372	0.027	0.510	0.116	---	---	---	1911
1912	---	---	---	---	0.335	0.269	0.012	0.102	0.212	0.043	---	---	---	1912
1913	---	---	---	2.36	0.355	0.036	0.054	0.015	0.001	0.001	---	---	---	1913
1914	---	---	0.792	1.20	0.202	0.004	0	0	0	0.252	---	---	0.305	1914
1915	---	---	---	1.30	0.466	1.46	0.530	0.337	0.011	0.024	---	---	---	1915
1916	---	---	2.60	0.333	1.08	4.69	2.67	0.616	0.155	0.214	---	---	1.54	1916
1917	---	---	---	10.3	3.54	0.167	0.001	0	0	0	---	---	---	1917
1918	---	---	---	1.36	0.158	0.015	0	0	0	0	---	---	---	1918
1919	---	---	0	0.297	0.015	0	0	0	0	0	---	---	0.038	1919
1920	---	0.006	2.11	1.51	0.357	0.026	0.022	---	---	---	---	---	---	1920
1921	---	0.510	0.804	2.81	0.513	0.030	0.004	0	0	0	---	---	0.515	1921
1922	---	---	1.64	7.89	1.18	0.084	0.001	---	---	---	---	---	---	1922
1923	---	0	0.483	1.07	0.023	1.30	0.026	0	0	0	---	---	0.358	1923
1924	---	0	0	0.272	0.010	0.017	0.001	0.001	0	0	---	---	0.037	1924
1925	---	0.123	3.58	1.77	0.152	0.056	0	0	0.001	0.006	---	---	0.696	1925
1926	---	0.124	0.735	0.302	0.013	0	0	0	0	0	---	---	0.132	1926
1927	---	0	0.583	2.48	4.51	1.21	0.561	0.137	0.004	0.105	---	---	1.20	1927
1928	---	0.064	3.23	0.545	0.087	0.848	0.533	0.020	0	0	---	---	0.660	1928
1929	---	0	1.89	1.76	0.702	0.060	0	0	0	0	---	---	0.551	1929
1930	---	1.99	0.166	0.575	0.033	0.025	0	0	0.008	0.002	---	---	0.100	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	2.42	0.333	0.021	0.037	---	---	---	---	---	---	1935
1936	---	---	1.82	3.96	0.054	0.003	0	0	0	0	---	---	0.722	1936
1937	---	---	0.006	0.571	0.001	0	0	0	0	0	---	---	0.071	1937
1938	---	---	1.25	2.18	0.393	0.019	---	---	---	---	---	---	---	1938
1939	---	---	3.28	0.247	0.002	0.583	---	---	---	---	---	---	---	1939
1940	---	---	1.86	4.34	0.432	0.041	---	---	---	---	---	---	---	1940
1941	---	0.014	1.35	0.029	0	0.119	---	---	---	---	---	---	---	1941
1942	---	---	0.006	0.473	0	0.660	---	---	---	---	---	---	---	1942
1943	---	2.09	4.10	0.830	0.073	0	---	---	---	---	---	---	---	1943
1944	---	---	0.002	0.031	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.959	0.001	0	0	---	---	---	---	---	---	---	1945
1946	---	0.299	2.06	0.225	---	0	---	---	---	---	---	---	---	1946
1947	---	---	6.60	1.78	0.122	0.048	---	---	---	---	---	---	---	1947
1948	---	---	2.93	5.07	0.541	0.003	---	---	---	---	---	---	---	1948
1949	---	---	0.445	0.088	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.596	0.717	0.015	0	---	---	---	---	---	---	---	1950
1951	---	---	4.32	5.07	0.901	0.404	---	---	---	---	---	---	---	1951
1952	---	---	3.84	8.59	0.363	0.020	---	---	---	---	---	---	---	1952
1953	---	---	2.33	2.40	1.56	5.14	---	---	---	---	---	---	---	1953
1954	---	0.005	0.012	1.85	0.443	0.565	---	---	---	---	---	---	---	1954
1955	---	---	1.58	10.3	3.92	0.467	---	---	---	---	---	---	---	1955
1956	---	---	2.19	0.842	0.371	0.073	---	---	---	---	---	---	---	1956
1957	---	0.673	1.57	3.40	0.740	0.033	---	---	---	---	---	---	---	1957
1958	---	---	0.684	0.537	0.107	0	---	---	---	---	---	---	---	1958
1959	---	---	1.31	0.393	0.115	0	---	---	---	---	---	---	---	1959
1960	---	---	1.76	0.510	1.10	0.026	0	0	0	0	---	---	0.428	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.548	0.005	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.271	0.031	0	0.005	0.179	0	0	0	---	---	0.061	1963
1964	---	---	0.083	0.285	1.67	0.058	0	0	0	0	---	---	0.264	1964
1965	---	---	0.410	3.93	0.202	1.03	1.14	0.003	0.028	0.091	---	---	0.844	1965
1966	---	---	2.42	0.688	0.070	0.541	0.142	0.024	0	0.003	---	---	0.486	1966
1967	---	---	3.36	2.30	6.67	0.239	0.003	0.009	0.007	0	---	---	1.58	1967
1968	---	---	0.237	0.137	0.117	0.001	0.065	0	0	0	---	---	0.070	1968
1969	---	---	2.43	1.12	0.050	0.001	0.001	0	0.002	0	---	---	0.452	1969
1970	---	---	0.374	1.06	0.329	0.261	0.114	0	0	0	---	---	0.266	1970
1971	---	2.69	0.555	1.90	0.234	0.348	0.031	0	0	0	---	---	0.379	1971
1972	---	---	2.04	0.076	0.070	0.003	0	0.001	0	0	---	---	0.278	1972
1973	---	0.030	0.203	0.113	0.025	0.582	0	0	0	0	---	---	0.114	1973
1974	---	---	1.42	0.512	0.547	0.119	0	0	0	0	---	---	0.326	1974
1975	---	---	0	2.05	5.32	1.80	0.078	0.006	0	0	---	---	1.15	1975
1976	---	---	0.620	0.608	0.155	0.211	0.034	0	0	0	---	---	0.203	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	1.10	0.327	0.147	0.057	0	0	0.006	0	---	---	0.205	1978
1979	---	---	2.74	1.57	0.693	0.072	0.004	0	0	0	---	---	0.635	1979
1980	---	---	0.042	0.037	0	0	0	0	0	0	---	---	0.010	1980
1981	---	0.140	0	0	0	0.088	0	0	0	0	---	---	0.011	1981
1982	---	0.378	0.780	1.66	0.289	1.74	0.118	0	0	0	---	---	0.567	1982
MEAN	---	0.457	1.37	1.68	0.629	0.373	0.143	0.030	0.022	0.020	---	---	0.41[illegible]	MEAN

LOCATION - LAT 49 57 17 N DRAINAGE AREA, 624 km²
LONG 110 20 08 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930, 1957, 1963 AND 1971

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1910	---		---		0	ON JUL 31 *	---	1910
1911	---		5.01	ON MAR 19	0	ON MAR 5	---	1911
1912	---		---		---		---	1912
1913	---		8.61	ON APR 4	0	ON JUL 12	---	1913
1914	---		9.37	ON APR 1	0	ON JUN 1	6 460	1914
1915	---		8.83	ON MAR 18	0	ON MAR 11	---	1915
1916	---		21.3	ON MAR 11	0.059	ON SEP 24	32 700	1916
1917	---		20.7	ON APR 9	0	ON JUL 3	---	1917
1918	---		23.9	ON MAR 23	0	ON JUL 7	---	1918
1919	---		2.55	ON APR 19	0	ON MAR 1	811	1919
1920	26.7	AT 12:00 MST ON MAR 22	20.3	ON MAR 22	0	B ON MAR 1	---	1920
1921	27.1	AT 17:20 MST ON APR 14	20.8	ON APR 14	0	B ON MAR 6	10 900	1921
1922	44.2	ON APR 22	29.2	ON APR 21	0	B ON MAR 1	---	1922
1923	14.5	AT 07:15 MST ON JUN 16	12.1	ON JUN 16	0	B ON MAR 6	7 570	1923
1924	---		2.21	ON APR 7	0	B ON MAR 1	779	1924
1925	21.2	ON MAR 29	19.7	ON MAR 29	0	B ON MAR 1	14 700	1925
1926	---		3.62	ON APR 11	0	ON MAY 8	2 790	1926
1927	---		22.7	E ON MAY 30	0	B ON MAR 1	25 400	1927
1928	19.4	B AT 17:15 MST ON MAR 20	18.6	B ON MAR 20	0	B ON MAR 8	14 000	1928
1929	24.4	B AT 17:50 MST ON MAR 29	20.6	B ON MAR 29	0	B ON MAR 1	11 700	1929
1930	---		4.76	ON APR 3	0	ON MAY 26	2 110	1930
1931	---		---		0	ON MAR 1	---	1931
1935	22.5	E ON APR 17	20.9	E ON APR 13	0	B ON APR 1	---	1935
1936	22.8	B ON MAR 7	21.0	ON APR 12	0	B ON MAR 1	15 300	1936
1937	---		3.34	ON APR 10	0	B ON MAR 1	1 500	1937
1938	17.7	AT 07:30 MST ON APR 11	17.4	ON APR 11	0	ON MAR 24	---	1938
1939	---		28.6	ON MAR 20	0	ON MAR 1	---	1939
1940	24.8	ON APR 22	21.9	ON APR 22	0	ON JUN 18	---	1940
1941	11.4	B AT 14:00 MST ON MAR 19	10.5	B ON MAR 19	0	B ON MAR 1	---	1941
1942	---		4.53	ON JUN 9	0	ON MAR 1	---	1942
1943	---		29.4	ON MAR 24	0	B ON MAR 1	---	1943
1944	---		0.634	ON APR 1	0	ON MAR 1	---	1944
1945	10.5	B AT 12:00 MST ON MAR 11	8.33	B ON MAR 11	0	B ON MAR 1	---	1945
1946	---		7.36	E ON MAR 4	0	ON APR 24	---	1946
1947	56.6	B AT 09:30 MST ON MAR 18	33.1	B ON MAR 18	0	B ON MAR 1	---	1947
1948	---		36.8	ON APR 17	0	B ON MAR 1	---	1948
1949	---		1.30	B ON MAR 6	0	B ON MAR 1	---	1949
1950	5.15	AT 12:10 MST ON APR 2	4.90	ON APR 2	0	B ON MAR 1	---	1950
1951	66.8	AT 08:15 MST ON MAR 31	43.6	ON MAR 31	0	B ON MAR 1	---	1951
1952	64.3	AT 16:45 MST ON APR 7	52.7	ON APR 7	0	B ON MAR 1	---	1952
1953	72.2	AT 08:00 MST ON JUN 4	45.6	ON JUN 4	0	B ON MAR 1	---	1953
1954	15.0	AT 12:00 MST ON APR 6	9.49	ON APR 6	0	B ON MAR 1	---	1954
1955	91.2	ON APR 9 *	58.9	ON APR 9 *	0	B ON MAR 1	---	1955
1956	20.8	B AT 17:00 MST ON MAR 20	20.3	B ON MAR 20	0	B ON MAR 1	---	1956
1957	10.1	AT 07:00 MST ON APR 19	7.42	ON APR 19	0	ON JUL 5	---	1957
1958	5.55	AT 17:00 MST ON MAR 31	4.93	ON MAR 31	0	ON MAR 1	---	1958
1959	7.67	B AT 10:00 MST ON MAR 18	5.41	B ON MAR 18	0	E ON MAY 27	---	1959
1960	---		15.7	B ON MAR 19	0	B ON MAR 1	9 050	1960
1961	---		0	ON MAR 1	0	ON MAR 1	0	1961
1962	5.64	B AT 08:00 MST ON MAR 20	3.60	B ON MAR 21	0	B ON MAR 1	1 480	1962
1963	---		3.28	ON MAR 23	0	ON APR 17	1 300	1963
1964	---		16.4	ON MAY 8	0	ON MAR 1	5 580	1964
1965	---		15.1	ON JUN 27	0	B ON MAR 12	17 900	1965
1966	---		15.9	B ON MAR 11	0	B ON MAR 1	10 300	1966
1967	---		36.2	ON MAY 8	0	B ON MAR 11	33 500	1967
1968	1.44	AT 04:30 MST ON MAR 7	0.985	ON MAR 7	0	ON MAR 1	1 480	1968
1969	19.5	AT 20:53 MST ON MAR 19	16.4	ON MAR 19	0	ON MAR 1	9 570	1969
1970	10.3	AT 10:30 MST ON APR 8	7.50	ON APR 8	0	B ON MAR 1	5 620	1970
1971	---		5.83	ON APR 8	0	ON JUN 20	8 030	1971
1972	17.4	AT 14:00 MST ON MAR 12	10.6	ON MAR 12	0	B ON MAR 1	5 880	1972
1973	4.00	AT 16:15 MST ON JUN 19	3.77	ON JUN 19	0	ON MAR 24	2 410	1973
1974	17.5	B AT 12:30 MST ON MAR 29	13.9	B ON MAR 29	0	B ON MAR 1	6 900	1974
1975	30.6	AT 15:30 MST ON MAY 7	21.0	ON MAY 7	0	B ON MAR 1	24 400	1975
1976	---		5.07	B ON MAR 19	0	B ON MAR 1	4 290	1976
1977	---		0.068	ON APR 8	0	ON MAR 1	21.9	1977
1978	---		3.65	B ON MAR 8	0	B ON MAR 1	4 350	1978
1979	---		18.3	B ON MAR 8	0	B ON MAR 1	13 500	1979
1980	0.280	AT 09:30 MST ON APR 7	0.234	ON APR 7	0	B ON MAR 1	206	1980
1981	1.38	AT 20:00 MST ON JUN 15	0.915	ON JUN 15	0	ON MAR 1	228	1981
1982	12.5	AT 01:05 MST ON APR 14	10.8	ON JUN 3	0	B ON MAR 6	12 000	1982
							8 780	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.007	0.015	0.012	0.009	0.010	---	---	---	1920
1921	---	---	0.809	2.11	0.159	0.012	0.010	0.007	0.013	0.014	---	---	---	1921
1922	---	---	1.32	6.34	1.63	0.027	0.016	0.015	0.015	0.016	---	---	---	1922
MEAN	---	---	1.06	4.23	0.895	0.015	0.014	0.011	0.012	0.013	---	---	---	MEAN

LOCATION - LAT 49 59 03 N   DRAINAGE AREA, 795 km^2
LONG 110 28 10 W   REGULATED

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	---	9.12 ON APR 16	0 ON APR 10 *	---	1921
1922	---	20.8 ON APR 23 *	---	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.040	0.554	16.7	0.679	0.015	0.001	0	0	---	---	2.27	1967
1968	---	---	1.93	1.38	2.55	9.39	0.155	0.048	0.016	0.027	---	---	1.92	1968
1969	---	---	0.005	10.5	2.48	0.127	0.053	0.003	0.563	0.222	---	---	1.72	1969
1970	---	---	0.998	5.23	2.45	0.383	0.007	0	0	0	---	---	1.12	1970
1971	---	---	0	2.16	0.421	8.29	5.41	0.052	0.001	0.006	---	---	2.02	1971
1972	---	---	1.27	7.58	5.67	0.537	0.647	0.240	0.280	1.61	---	---	2.22	1972
1973	---	---	0.118	14.7	3.05	1.27	0.031	0.191	0.119	0.309	---	---	2.43	1973
1974	---	---	0.009	19.1	11.2	0.498	0.270	0.018	0.052	0.058	---	---	3.86	1974
1975	---	---	0.006	3.25	1.94	0.424	0.113	0.001	0	0	---	---	0.698	1975
1976	---	---	0.206	3.79	1.46	4.06	0.639	8.21	0.463	0.336	---	---	2.39	1976
1977	---	---	0.292	6.25	10.0	2.36	0.862	0.071	0.041	0.309	---	---	2.52	1977
1978	---	---	0.588	3.16	2.86	0.604	0.022	0	0.010	0.019	---	---	0.904	1978
1979	---	---	0.010	4.22	6.98	1.66	1.19	0.006	0.001	0	---	---	1.76	1979
1980	---	---	0.080	0.462	0.106	0.364	0.028	0	0.063	0.014	---	---	0.133	1980
1981	---	---	1.00	2.03	2.30	0.732	0.016	0	0	0	---	---	0.758	1981
1982	---	---	0	1.68	2.78	0.229	0.016	1.25	0.005	0.006	---	---	0.747	1982
MEAN	---	---	0.407	5.38	4.55	1.98	0.592	0.631	0.101	0.182	---	---	1.72	MEAN

LOCATION - LAT 55 38 39 N DRAINAGE AREA, 538 km^2
LONG 118 41 51 W NATURAL FLOW

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOP MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	80.1 AT 05:00 MST ON MAY 6	64.8 ON MAY 6	0 ON AUG 13 *	48 100	1967
1968	439 AT 05:00 MST ON JUN 13 *	150 ON JUN 13 *	0.002A ON OCT 3	40 600	1968
1969	57.2 B AT 23:00 MST ON APR 11	43.6 ON APR 29	0 E ON AUG 16	36 300	1969
1970	10.2 AT 10:00 MST ON APR 23	9.46 ON APR 23	0 ON JUL 30	23 800	1970
1971	78.4 AT 22:00 MST ON JUL 11	56.4 ON JUL 11	0 B ON MAR 1	42 900	1971
1972	61.4 AT 09:00 MST ON APR 29	43.3 ON APR 29	0.001B ON MAR 1	47 100	1972
1973	37.4 AT 01:30 MST ON APR 11	27.6 ON APR 11	0 A ON AUG 7	51 500	1973
1974	80.1 AT 09:30 MST ON APR 26	60.9 ON APR 26	0.004B ON MAR 1	81 800	1974
1975	22.5 B AT 02:30 MST ON APR 19	13.1 B ON APR 19	0 ON AUG 9	14 800	1975
1976	60.9 AT 23:00 MST ON AUG 17	47.6 ON AUG 17	0.006B ON MAR 1	50 600	1976
197	86.1 A AT 17:00 MST ON MAY 12	48.4 ON MAY 6	0.015A ON SEP 21	53 300	1977
197	18.4 AT 12:00 MST ON APR 29	15.7 ON APR 29	0 ON AUG 6	19 100	1978
1979	54.3 AT 23:30 MST ON APR 27	30.0 ON APR 28	0 B ON MAR 1	37 200	1979
1980	8.22 AT 16:00 MST ON JUN 18	2.27 ON JUN 19	0 B ON MAR 1	2 810	1980
1981	7.31 AT 16:25 MST ON APR 29	6.20 ON APR 30	0 ON AUG 6	16 100	1981
1982	26.1 AT 02:00 MST ON APR 27	14.3 ON APR 27	0 B ON MAR 1	15 800	1982
				36 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.004	0	0	0.058	0	0.292	0.077	---	---	---	1911
1912	---	---	---	0.971	0.010	0.010	---	---	---	---	---	---	---	1912
1913	---	---	---	0.630	0.081	0	---	---	---	---	---	---	---	1913
1916	---	---	---	0.165	0.101	0.521	0.515	0.253	0.194	0.031	---	---	---	1916
1917	---	---	---	1.08	0.520	0.018	---	---	---	---	---	---	---	1917
1918	---	---	---	1.26	0.025	0	---	---	---	---	---	---	---	1918
1919	---	---	0	0.186	0.003	0	0	0	---	---	---	---	---	1919
1920	---	---	0.081	0.642	0.328	0.119	0.001	---	---	---	---	---	---	1920
1921	---	---	0.218	0.575	0.379	0.048	---	---	---	---	---	---	---	1921
1922	---	---	---	0.619	0.284	0.016	0.103	---	---	---	---	---	---	1922
1923	---	---	---	0.312	0.009	0.266	0.199	0.001	0	0	---	---	---	1923
1924	---	---	0	0	0	0.002	0	0.009	0	0	---	---	---	1924
1926	---	---	0.453	0.001	0	0	0	---	0.096	---	---	---	---	1926
1927	---	---	0.159	0.722	0.821	0.127	0.008	0.032	0	0	---	---	---	1927
1928	---	---	0.110	0.814	0.151	0	0	0.084	0	0	---	---	---	1928
1935	---	---	---	---	0	---	---	---	0	---	---	---	---	1935
1936	---	---	0	0.144	0	0	---	---	---	---	---	---	---	1936
1937	---	---	0	0.343	0.001	---	---	---	---	---	---	---	---	1937
MEAN	---	---	0.113	0.468	0.151	0.070	0.088	0.054	0.073	0.018	---	---	---	MEAN

LOCATION - LAT 49 00 51 N DRAINAGE AREA, 568 km^2
LONG 110 12 00 W REGULATED

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAR 31 *	---	1910
1911	---	---	0 ON APR 6	---	1911
1912	---	2.40 ON APR 7	0 ON MAY 12	---	1912
1913	---	---	0 ON MAY 5	---	1913
1916	---	1.90 ON JUL 4	0 ON MAY 7	---	1916
1917	---	2.83 ON APR 14	0 ON APR 1	---	1917
1918	---	3.06 ON APR 1 *	0 ON MAY 31	---	1918
1919	---	0.821 ON APR 22	0 ON MAR 1	---	1919
1920	---	1.44 ON APR 16	0 ON MAR 1	---	1920
1921	---	1.42 B ON MAR 31	0B ON MAR 1	---	1921
1922	---	1.59 ON APR 27	0 ON APR 1	---	1922
1923	---	1.87 ON JUN 23	0 ON APR 10	---	1923
1924	---	0.085E ON AUG 18	0 ON MAR 1	---	1924
1926	---	1.44 B ON MAR 2	0B ON APR 7	---	1926
1927	---	2.44 ON MAY 30	0B ON MAR 1	---	1927
1928	---	1.84 ON APR 3	0B ON MAR 1	---	1928
1935	---	---	0 ON MAY 1	---	1935
1936	---	1.18 ON APR 13	0 ON MAR 1	---	1936
1937	---	1.34 ON APR 13	0 ON MAR 1	---	1937
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO. 11AA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	1.06	1.56	0	0	0.060	0	0	0	---	---	0.333	1935
1936	---	---	0	1.18	0.001	0	0	0	0	0	---	---	0.145	1936
1937	---	---	0	2.18	0.027	0	0	0	0	0	---	---	0.270	1937
1938	---	---	1.62	0.940	0.116	0.104	0.374	0	0.587	0	---	---	0.466	1938
1939	---	---	3.10	0.119	0	0.354	0.018	0	0	0	---	---	0.452	1939
1940	---	---	0.065	5.70	0.303	0.066	0.048	0	0	0	---	---	0.759	1940
1941	---	---	2.48	0.035	0	0.097	0.219	0	0	0	---	---	0.358	1941
1942	---	---	0.137	0.604	0	1.64	0.137	0	0	0	---	---	0.310	1942
1943	---	---	6.81	0.567	0	0	0	0	0	0	---	---	0.931	1943
1944	---	---	0.005	0.075	0	0.015	0.321	0	0	0	---	---	0.052	1944
1945	---	---	0.740	0.021	0	0	0	0	0	0	---	---	0.096	1945
1946	---	---	1.63	0.050	0	0.057	0	0	0	0	---	---	0.220	1946
1947	---	---	2.35	2.13	0.018	0	0	0.234	0.054	0	---	---	0.597	1947
1948	---	---	0.329	3.58	0.412	0	0	0	0	0	---	---	0.532	1948
1949	---	---	0.064	0.261	0	0	0	0	0	0	---	---	0.040	1949
1950	---	---	0	2.25	0	0.057	0	0	0	0	---	---	0.283	1950
1951	---	---	0	4.47	1.36	0.106	0.001	0.597	0.327	0	---	---	0.849	1951
1952	---	---	0	11.0	0.307	0.002	0	0	0	0	0	---	1.39	1952
1953	---	---	0.218	0.694	0.782	0.944	0.002	0	0	0	---	---	0.327	1953
1954	---	---	0	0.800	0	0.168	0.007	0.161	0.099	0.028	---	---	0.155	1954
1955	---	---	0.452	6.41	1.86	0.039	1.84	0.011	0	0	---	---	1.32	1955
1956	---	---	0.238	1.27	0.014	0.138	0.781	0.021	0	0	---	---	0.305	1956
1957	---	---	0.596	2.35	0.043	0.019	0	0	0	0	---	---	0.371	1957
1958	---	---	0.598	6.77	0.004	0	0	0	0	0	---	---	0.905	1958
1959	---	---	2.40	0.657	0.001	0	0	0	0	0	---	---	0.385	1959
1960	---	---	3.40	0.183	0.687	0.004	0	0	0	0	---	---	0.540	1960
1961	---	---	0.140	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0.847	0.293	0	0.192	0	0	0	0	---	---	0.166	1962
1963	---	0.985	0.713	0.150	0	0	0.808	0	0	0	---	---	0.211	1963
1964	---	---	0.268	0.837	0.139	0	0	0	0	0	---	---	0.154	1964
1965	---	---	0	4.78	0.415	3.59	0.692	0.001	0.182	0	---	---	1.19	1965
1966	---	---	2.12	0.299	0.002	0.167	0.068	0	0	0	---	---	0.334	1966
1967	---	---	0.040	7.05	3.67	0.044	0.001	0	0	0	---	---	1.34	1967
1968	---	---	0.098	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	4.38	0.005	0	0	0	0	0	---	---	0.537	1969
1970	---	---	0	1.16	0.034	0.341	0.060	0	0	0	---	---	0.196	1970
1971	---	---	0	2.38	0.031	0.070	0	0	0	0	---	---	0.304	1971
1972	---	---	2.29	0.037	0	0	0	0	0	0	---	---	0.294	1972
1973	---	---	0.141	0	0	0.073	0	0	0	0	---	---	0.027	1973
1974	---	---	0.099	1.41	0.497	0.004	0	0	0	0	---	---	0.249	1974
1975	---	---	0	2.71	1.39	1.07	0.008	0	0	0	---	---	0.639	1975
1976	---	---	2.17	0.217	0.001	0.279	0.006	0	0	0	---	---	0.337	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.195	4.13	0.364	0.003	0.194	0	0.244	0	---	---	0.631	1978
1979	---	---	2.99	1.99	0.438	0.067	0	0	0	0	---	---	0.686	1979
1980	---	---	0.404	0.082	0	0	0	0	0	0	---	---	0.061	1980
1981	---	---	0.016	0	0.129	0	0.009	0	0	0	---	---	0.020	1981
1982	---	---	0	3.93	0.586	0.348	0	0	0	0	---	---	0.599	1982
MEAN	---	0.985	0.850	1.91	0.284	0.210	0.118	0.021	0.031	0.001	0	---	0.425	MEAN

LOCATION - LAT 49 06 29 N DRAINAGE AREA, 456 km^2 INTERNATIONAL GAUGING STATION
LONG 110 13 23 W NATURAL FLOW

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO. 11AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	5.66 B ON MAR 14	0B ON MAR 1 *	7 050	1935
1936	12.9 E ON APR 11	4.30 E ON APR 9	0 ON MAR 1	3 060	1936
1937	99.1 E ON APR 11 *	23.2 E ON APR 11	0 ON MAR 1	5 710	1937
1938	80.4 E ON MAR 27	23.3 E ON MAR 27	0 ON MAR 1	9 870	1938
1939	49.8 E ON MAR 22	10.3 E ON MAR 18	0 ON MAR 1	9 570	1939
1940	38.8 ON APR 21	28.3 ON APR 19	0 ON MAR 1	16 100	1940
1941	23.4 B AT 17:30 MST ON MAR 20	20.4 B ON MAR 20	0B ON MAR 1	7 570	1941
1942	---	5.92 ON JUN 6	0 ON MAR 1	6 560	1942
1943	83.5 E ON MAR 29	76.7 E ON MAR 29 *	0 ON MAR 1	19 700	1943
1944	---	0.906E ON JUL 5	0 ON MAR 1	1 110	1944
1945	---	1.35 E ON MAR 15	0 ON MAR 1	2 030	1945
1946	7.53 AT 17:00 MST ON MAR 12	6.51 ON MAR 13	0 ON MAR 1	4 650	1946
1947	16.1 B AT 15:30 MST ON MAR 29	12.4 B ON APR 1	0 ON MAR 1	12 600	1947
1948	19.5 AT 15:30 MST ON APR 17	16.2 ON APR 17	0B ON MAR 1	11 300	1948
1949	1.56 AT 16:30 MST ON APR 2	1.31 ON APR 2	0 ON MAR 1	845	1949
1950	9.68 AT 13:00 MST ON APR 13	8.33 ON APR 13	0 ON MAR 1	5 990	1950
1951	21.3 B ON APR 5	17.5 B ON APR 5	0 ON MAR 1	18 000	1951
1952	51.0 AT 08:00 MST ON APR 14	41.6 ON APR 14	0B ON MAR 1	29 300	1952
1953	18.2 AT 22:00 MST ON JUN 3	11.6 ON JUN 3	0 ON MAR 1	6 930	1953
1954	7.62 AT 08:00 MST ON AUG 28	4.90 ON APR 7	0 ON MAR 1	3 290	1954
1955	52.1 AT 18:00 MST ON APR 19	35.4 ON APR 19	0 ON MAR 1	27 900	1955
1956	9.97 AT 06:00 MST ON JUL 7	7.19 ON JUL 7	0 ON MAR 1	6 460	1956
1957	15.1 AT 05:00 MST ON APR 1	12.3 ON APR 1	0 ON MAR 1	7 860	1957
1958	49.0 B AT 05:00 MST ON APR 5	43.6 B ON APR 5	0B ON MAR 1	19 100	1958
1959	11.9 AT 12:00 MST ON MAR 27	9.97 ON MAR 27	0 ON MAR 1	8 130	1959
1960	17.9 AT 04:00 MST ON MAR 21	15.2 ON MAR 21	0 ON MAR 1	11 400	1960
1961	0.640 AT 21:30 MST ON MAR 18	0.484 ON MAR 18	0B ON MAR 12	376	1961
1962	8.55 B AT 23:00 MST ON MAR 27	6.68 B ON MAR 27	0B ON MAR 1	3 530	1962
1963	20.4 AT 07:00 MST ON JUL 5	13.6 ON JUL 5	0 ON APR 23	4 460	1963
1964	5.01 B AT 11:00 MST ON MAR 19	4.30 B ON MAR 19	0B ON MAR 1	3 260	1964
1965	41.3 AT 05:00 MST ON JUN 26	38.2 ON JUN 26	0B ON MAR 1	25 100	1965
1966	11.3 B ON MAR 17	8.72 B ON MAR 17	0B ON MAR 1	7 070	1966
1967	27.0 AT 23:00 MST ON APR 11	24.0 ON APR 11	0B ON MAR 1	28 400	1967
1968	1.10 AT 16:00 MST ON MAR 3	0.544 ON MAR 3	0 ON MAR 1	267	1968
1969	32.6 AT 17:00 MST ON APR 4	26.3 ON APR 4	0 ON MAR 1	11 400	1969
1970	11.4 AT 01:08 MST ON APR 8	8.13 ON APR 7	0 ON MAR 1	4 140	1970
1971	10.2 B AT 16:30 MST ON APR 7	8.83 B ON APR 7	0B ON MAR 1	6 420	1971
1972	16.4 AT 08:30 MST ON MAR 17	15.2 ON MAR 17	0B ON MAR 1	6 230	1972
1973	2.65 AT 18:00 MST ON JUN 19	1.23 ON JUN 19	0B ON MAR 1	567	1973
1974	5.04 AT 22:45 MST ON MAY 22	4.36 ON MAY 22	0B ON MAR 1	5 270	1974
1975	23.8 AT 01:30 MST ON JUN 21	16.4 ON MAY 7	0B ON MAR 1	13 500	1975
1976	21.8 B AT 01:00 MST ON MAR 19	18.2 B ON MAR 19	0B ON MAR 1	7 130	1976
1977	---	0 E ON MAR 1	0E ON MAR 1	0	1977
1978	16.3 AT 14:00 MST ON APR 6	15.0 ON APR 6	0 ON MAR 1	13 400	1978
1979	---	10.6 B ON MAR 18	0B ON MAR 1	14 500	1979
1980	---	1.51 B ON MAR 20	0B ON MAR 1	1 290	1980
1981	3.71 AT 06:35 MST ON MAY 18	2.88 ON MAY 18	0 ON MAR 15	415	1981
1982	16.3 AT 20:20 MST ON APR 14	14.2 ON APR 15	0B ON MAR 1	12 700	1982
				8 990	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.183	0.033	0	0	0	0	0	0	---	---	0.027	1946
1947	---	---	0	0.100	0.017	0	0	0.010	0.014	0.001	---	---	0.017	1947
1948	---	---	0.032	0.361	0.326	0	0	0	0	0	---	---	0.090	1948
1949	---	---	0	0.053	0	0	0	0	0	0	---	---	0.007	1949
1950	---	---	0	0.129	0	0	0.005	0	0	0	---	---	0.016	1950
1951	---	---	0	0.119	0.148	0.108	0.014	0	0.446	0	---	---	0.102	1951
1952	---	---	0	0.142	0.161	0.002	0	0	0	0	---	---	0.038	1952
1953	---	---	0.034	0.112	0.347	0.396	0.001	0.002	0	0	---	---	0.111	1953
1954	---	---	0	0.166	0	0.074	0.015	0.039	0.115	0.087	---	---	0.056	1954
1955	---	---	0	0.189	0.576	0.114	0.374	0.010	0	0	---	---	0.159	1955
1956	---	---	0	0.270	0.006	0.024	0.269	0.007	0	0	---	---	0.072	1956
1957	---	---	0.147	0.423	0.051	0.012	0	0	0	0	---	---	0.078	1957
1958	---	---	0.036	0.603	0.005	0.009	0	0	0	0	---	---	0.080	1958
1959	---	---	0.078	0.273	0.002	0	0	0	0	0	---	---	0.044	1959
1960	---	---	0.113	0.021	0.170	0.014	0	0	0	0	---	---	0.040	1960
1961	---	---	0.184	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0	0.166	0.001	0.087	0	0	0	0	---	---	0.026	1962
1963	---	0.218	0.068	0.038	0	0	0.189	0	0	0	---	---	0.037	1963
1964	---	---	0.101	0.270	0.004	0	0	0	0	0	---	---	0.046	1964
1965	---	---	0	0.135	0.200	0.379	0.605	0.015	0.129	0.005	---	---	0.183	1965
1966	---	---	0.349	0.322	0.001	0.104	0.046	0	0	0	---	---	0.102	1966
1967	---	---	0	0.385	0.351	0.056	0	0	0	0	---	---	0.098	1967
1968	---	---	0.080	0.001	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0	0.410	0.010	0	0	0	0	0	---	---	0.051	1969
1970	---	---	0	0.086	0.013	0.021	0.001	0	0	0	---	---	0.015	1970
1971	---	---	0	0.166	0.007	0.003	0	0	0	0	---	---	0.022	1971
1972	---	---	0.197	0.021	0	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0.087	0	0	0.008	0	0	0	0	---	---	0.012	1973
1974	---	---	0	0.179	0.204	0.006	0	0	0	0	---	---	0.048	1974
1975	---	---	0	0.295	0.458	0.222	0.036	0	0	0	---	---	0.126	1975
1976	---	---	0.241	0.202	0.001	0.137	0.041	0	0	0	---	---	0.077	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.798	0.343	0.010	0.175	0	0.145	0.005	---	---	0.183	1978
1979	---	---	0	0.590	0.283	0.074	0.002	0	0	0	---	---	0.117	1979
1980	---	---	0.104	0.108	0	0	0	0	0	0	---	---	0.026	1980
1981	---	---	0.019	0.004	0.078	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0	0.287	0.425	0.246	0	0	0	0	---	---	0.119	1982
MEAN	---	0.218	0.054	0.202	0.113	0.056	0.048	0.002	0.023	0.002	---	---	0.062	MEAN

LOCATION - LAT 49 00 10 N LONG 110 11 30 W DRAINAGE AREA, 591 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.552 ON MAR 23	0 ON MAR 1 *	577	1946
1947	---	0.334 ON APR 16	0 ON MAR 1	369	1947
1948	---	1.08 E ON MAY 1	0 ON MAR 1	1 890	1948
1949	---	0.173 ON APR 7	0 ON MAR 1	138	1949
1950	---	0.623 ON APR 18	0 ON MAR 1	348	1950
1951	---	1.47 ON SEP 3	0 ON MAR 1	2 160	1951
1952	0.872 AT 16:00 MST ON MAY 16	0.722 ON MAY 16	0 ON MAR 1	804	1952
1953	1.03 AT 18:30 MST ON MAY 23	1.02 ON JUN 5	0 ON MAR 1	2 350	1953
1954	0.790 AT 13:00 MST ON APR 8	0.617 ON AUG 31	0 ON MAR 1	1 190	1954
1955	1.40 ON MAY 18	1.39 ON MAY 18	0B ON MAR 1	3 350	1955
1956	---	0.991 ON APR 11	0 ON MAR 1	1 520	1956
1957	---	1.16 ON MAR 28	0 ON MAR 1	1 660	1957
1958	---	1.08 ON APR 1	0 ON MAR 1	1 690	1958
1959	---	0.736 ON APR 7	0 ON MAR 1	922	1959
1960	---	1.08 ON MAY 28	0 ON MAR 1	849	1960
1961	---	0.425 ON MAR 19	0 ON MAR 30	385	1961
1962	---	0.878 ON APR 7	0 ON MAR 1	555	1962
1963	---	0.753 ON JUL 7	0 ON MAY 2	786	1963
1964	1.10 B AT 11:00 MST ON MAR 21	0.906 ON APR 8	0 ON MAR 1	984	1964
1965	1.33 AT 05:00 MST ON APR 29	1.30 ON APR 29	0 ON MAR 1	3 870	1965
1966	1.02 AT 08:30 MST ON APR 2	0.991 ON APR 2	0B ON MAR 1	2 170	1966
1967	1.39 AT 21:00 MST ON APR 11	1.16 ON APR 12	0 ON MAR 1	2 080	1967
1968	0.623 AT 22:30 MST ON MAR 7	0.453 ON MAR 8	0 ON MAR 1	215	1968
1969	1.02 AT 01:00 MST ON APR 9	0.963 ON APR 9	0B ON MAR 1	1 090	1969
1970	0.651 AT 18:30 MST ON APR 7	0.538 ON APR 7	0 ON MAR 1	313	1970
1971	---	0.368B ON APR 13	0B ON MAR 1	458	1971
1972	0.906 AT 12:45 MST ON MAR 20	0.793 ON MAR 20	0 ON MAR 1	582	1972
1973	0.425 AT 13:00 MST ON MAR 13	0.340 ON MAR 10	0 ON MAR 1	253	1973
1974	---	0.765 ON MAY 23	0 ON MAR 1	1 030	1974
1975	---	1.08 ON APR 23	0 ON MAR 1	2 660	1975
1976	1.27 B AT 08:00 MST ON MAR 27	1.08 B ON MAR 26	0B ON MAR 1	1 640	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	1.87 B AT 08:00 MST ON APR 12 *	1.78 B ON APR 12 *	0B ON MAR 1	3 870	1978
1979	1.27 B AT 18:00 MST ON APR 12	1.22 ON APR 19	0 ON MAR 1	2 490	1979
1980	0.574 AT 21:00 MST ON APR 1	0.481 ON APR 2	0 ON MAR 1	561	1980
1981	1.37 AT 19:00 MDT ON MAY 19	1.09 ON MAY 19	0 ON MAR 21	268	1981
1982	1.42 AT 06:00 MDT ON MAY 31	1.41 ON MAY 31	0B ON MAR 1	2 520	1982
MEAN				1 310	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	3.17	2.87	---	---	---	1972
1973	---	---	1.05	8.06	17.1	17.9	5.50	8.09	3.47	4.62	---	---	8.21	1973
1974	---	---	0.850	21.5	33.8	5.18	9.28	2.05	2.47	2.25	---	---	9.68	1974
1975	---	---	0.738	4.35	11.0	12.4	10.2	6.06	7.41	2.46	---	---	6.82	1975
1976	---	---	0.820	15.1	8.88	11.4	12.2	17.9	7.28	3.90	---	---	9.65	1976
1977	---	---	1.17	13.8	31.5	14.6	14.7	4.03	3.86	3.73	---	---	10.9	1977
1978	---	---	0.800	7.82	9.20	14.1	7.62	3.12	11.2	5.10	---	---	7.33	1978
1979	---	---	0.870	3.53	31.7	30.7	38.5	4.50	1.95	1.92	---	---	14.2	1979
1980	---	---	0.563	10.8	8.63	13.9	8.84	4.14	6.91	3.42	---	---	7.11	1980
1981	---	---	1.03	8.10	9.73	10.5	4.38	1.79	0.817	1.10	---	---	4.66	1981
1982	---	---	0.558	2.07	19.8	3.07	12.7	10.8	3.03	1.75	---	---	6.77	1982
MEAN	---	---	0.845	9.51	18.1	13.4	12.4	6.25	4.69	3.01	---	---	8.53	MEAN

LOCATION - LAT 54 11 40 N   DRAINAGE AREA, 1 140 km²
LONG 115 46 45 W   NATURAL FLOW

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	65.4 AT 11:00 MST ON JUN 17	61.7 ON JUN 17	0.850B ON MAR 1	174 000	1973
1974	80.1 AT 11:40 MST ON APR 30	74.2 ON APR 27	0.745B ON APR 10	205 000	1974
1975	101 AT 21:30 MST ON JUN 28 *	80.4 ON JUN 29	0.694B ON MAR 1	144 000	1975
1976	58.3 AT 18:30 MST ON AUG 18	48.1 ON AUG 27	0.793B ON MAR 1	204 000	1976
1977	101 AT 04:00 MST ON MAY 30	94.6 ON MAY 30	1.12 B ON MAR 10	231 000	1977
1978	87.8 AT 17:15 MST ON JUN 15	71.9 ON JUN 15	0.745B ON MAR 3	155 000	1978
1979	---	145 E ON JUL 13 *	0.424B ON MAR 1	301 000	1979
1980	34.5 AT 23:30 MST ON MAY 28	32.5 ON MAY 29	0.310B ON MAR 5 *	151 000	1980
1981	50.1 AT 15:00 MST ON JUN 1	43.3 ON JUN 1	0.358 ON AUG 28	98 600	1981
1982	51.6 AT 18:00 MST ON AUG 4	47.9 ON AUG 4	0.330B ON MAR 1	143 000	1982
				181 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	0	0	0	1.46	0.748	0.039	1.75	0.874	1.26	1.83	0.437	0.045	0.708	1973
1974	0.002	0	0	10.5	6.01	1.60	1.54	0.205	0.128	0.178	0.181	0.037	1.70	1974
1975	0.003	0	0	1.97	1.44	0.901	0.122	0.258	1.18	1.10	0.447	0.032	0.620	1975
1976	0.004	0	0.001	9.80	2.10	0.364	0.790	0.567	0.243	0.168	0.073	0.012	1.17	1976
1977	0	0	0	2.58	0.685	7.41	2.44	1.63	1.13	0.860	0.270	0.023	1.41	1977
1978	0.001	0	0	0.578	2.48	0.717	0.111	0.027	0.239	0.425	0.145	0	0.396	1978
1979	0	0	0	0.030	3.50	0.719	0.049	0.011	0.006	0.052	0.031	0.004	0.372	1979
1980	0	0	0	1.01	0.052	0.039	0.265	0.052	0.029	0.027	0.023	0	0.124	1980
MEAN	0.001	0	0	3.49	2.13	1.47	0.883	0.453	0.527	0.580	0.201	0.019	0.813	MEAN

LOCATION - LAT 59 50 00 N   DRAINAGE AREA, 821 km²
LONG 111 58 10 W   NATURAL FLOW

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	8.95 AT 04:45 MST ON JUL 10	7.70 ON JUL 10	0B ON JAN 1 *	22 300	1973
1974	---	39.4 ON APR 24 *	0B ON JAN 13	53 600	1974
1975	---	5.92B ON APR 21	0B ON JAN 20	19 600	1975
1976	29.7 B AT 17:15 MST ON APR 15	28.3 B ON APR 15	0B ON JAN 19	36 900	1976
1977	36.0 AT 12:00 MST ON JUN 10 *	33.1 ON JUN 10	0B ON JAN 7	44 600	1977
1978	---	7.42B ON MAY 1	0B ON JAN 5	12 500	1978
1979	---	12.5 B ON MAY 11	0B ON JAN 1	11 700	1979
1980	---	4.09 ON APR 15	0B ON JAN 1	3 930	1980
				25 600	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0	0	0	---	---	---	1982
MEAN	---	---	---	---	---	---	---	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 09 48 N
LONG 110 15 39 W   NATURAL FLOW

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	0 ON JUL 22 *	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	2.71	---	---	---	---	1967
1968	---	---	---	---	---	3.47	2.57	4.36	---	---	---	---	---	1968
1969	---	---	1.92	36.2	26.6	12.6	7.90	9.78	8.57	18.6	---	---	15.2	1969
1970	---	---	2.45	19.3	19.4	12.8	101	36.1	40.1	31.4	---	---	32.9	1970
1971	---	---	4.36	43.5	35.6	27.6	78.6	20.0	8.61	6.71	---	---	28.1	1971
1972	---	---	2.86	13.4	38.9	8.23	4.19	3.20	2.60	4.92	---	---	9.81	1972
1973	---	---	1.18	9.00	12.1	35.4	26.6	42.0	40.2	33.3	---	---	24.9	1973
1974	---	---	3.85	56.4	127	32.7	18.8	10.8	14.8	12.2	---	---	34.5	1974
1975	---	---	3.35	13.3	44.8	36.2	51.9	20.5	15.1	10.7	---	---	24.5	1975
1976	---	---	3.11	15.0	7.61	14.0	55.5	19.7	20.6	10.4	---	---	18.2	1976
1977	---	---	2.47	10.7	12.5	14.6	10.6	11.5	8.74	8.58	---	---	9.94	1977
1978	---	---	2.61	10.4	25.5	32.0	9.54	5.09	13.9	12.7	---	---	13.9	1978
1979	---	---	3.63	6.00	29.1	42.6	20.0	8.48	12.4	9.71	---	---	16.4	1979
1980	---	---	2.10	10.6	7.00	3.86	2.90	26.5	28.4	21.1	---	---	12.8	1980
1981	---	---	2.81	10.5	7.65	6.74	21.3	5.44	2.74	2.29	---	---	7.44	1981
1982	---	---	0.872	8.21	21.3	9.26	8.93	5.68	3.42	2.68	---	---	7.56	1982
MEAN	---	---	2.68	18.8	29.6	19.5	28.0	15.3	14.9	13.2	---	---	18.3	MEAN

LOCATION - LAT 54 28 16 N DRAINAGE AREA, 4 910 km^2
LONG 111 11 08 W NATURAL FLOW

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	67.4 ON APR 22	0.850B ON MAR 1	322 000	1969
1970	161 AT 17:38 MST ON JUL 7	159 ON JUL 7	2.27 B ON MAR 1	698 000	1970
1971	115 AT 09:00 MST ON APR 27	114 ON APR 26	3.68 B ON MAR 5	595 000	1971
1972	67.7 AT 15:00 MST ON MAY 3	67.4 ON MAY 1	1.78 ON SEP 13	207 000	1972
1973	69.4 AT 22:30 MST ON AUG 30	69.1 ON AUG 31	0.850B ON MAR 1	528 000	1973
1974	191 AT 11:00 MST ON APR 27 *	190 ON APR 27 *	3.68 B ON MAR 1	731 000	1974
1975	84.1 AT 20:00 MST ON JUL 5	83.0 ON JUL 6	3.23 B ON MAR 22	519 000	1975
1976	103 AT 13:30 MST ON JUL 18	97.7 ON JUL 18	2.97 B ON MAR 14	386 000	1976
1977	---	25.5B ON APR 18	2.28 B ON MAR 22	210 000	1977
1978	57.2 AT 17:00 MST ON JUN 2	56.6 ON MAY 31	2.19 B ON MAR 1	294 000	1978
1979	57.0 AT 23:20 MST ON JUN 17	57.0 ON JUN 17	2.89 B ON MAR 1	348 000	1979
1980	42.9 AT 16:20 MST ON AUG 14	42.8 ON AUG 15	1.97 B ON MAR 1	271 000	1980
1981	34.9 AT 10:50 MST ON JUL 14	34.8 ON JUL 14	1.50 B ON OCT 31	158 000	1981
1982	---	42.0A ON APR 29	0.778B ON MAR 1 *	160 000	1982
				388 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	6.79	11.5	4.28	3.31	2.55	---	---	---	1923
1924	---	---	---	---	---	---	3.54	11.0	9.00	6.80	---	---	---	1924
1925	---	---	---	---	26.4	12.1	8.19	---	2.74	---	---	---	---	1925
1926	---	---	---	---	---	38.8	39.4	10.8	9.57	5.75	---	---	---	1926
1927	---	---	---	---	9.91	25.1	9.68	7.38	9.48	5.37	---	---	---	1927
1969	---	---	---	---	---	---	4.25	7.92	24.1	14.8	---	---	---	1969
1970	---	---	0.439	23.9	21.6	15.5	19.2	6.07	4.17	2.70	---	---	11.7	1970
1971	---	---	0.281	21.7	19.8	30.1	88.1	16.3	3.65	2.53	---	---	22.8	1971
1972	---	---	0.334	16.6	54.5	31.4	24.3	12.8	3.72	4.98	---	---	18.6	1972
1973	---	---	0.443	7.93	24.2	36.8	15.9	9.50	6.12	10.6	---	---	13.9	1973
1974	---	---	0.811	53.5	98.2	15.7	21.4	5.71	4.79	4.02	---	---	25.5	1974
1975	---	---	0.413	9.69	26.2	15.1	32.5	13.0	15.0	4.76	---	---	14.6	1975
1976	---	---	0.338	20.6	9.15	9.57	18.6	22.5	24.3	7.06	---	---	14.0	1976
1977	---	---	0.709	16.4	33.8	39.5	37.5	8.69	8.12	5.95	---	---	18.8	1977
1978	---	---	0.266	10.9	25.6	14.0	10.3	10.4	40.5	14.4	---	---	15.7	1978
1979	---	---	0.726	9.88	47.9	39.3	76.4	25.2	4.05	1.77	---	---	25.8	1979
1980	---	---	0.131	5.32	3.30	6.60	12.9	13.7	18.0	8.83	---	---	8.58	1980
1981	---	---	0.593	12.7	11.9	16.2	14.5	5.07	0.696	1.77	---	---	7.91	1981
1982	---	---	0.067	6.79	17.6	3.20	16.7	16.9	4.11	1.69	---	---	8.43	1982
MEAN	---	---	0.427	16.6	28.7	20.9	24.5	11.5	10.3	5.91	---	---	15.9	MEAN

LOCATION - LAT 55 09 20 N DRAINAGE AREA, 2 600 km^2
LONG 114 14 10 W NATURAL FLOW

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	55.5 ON JUN 16	---	---	1926
1927	---	34.3 ON JUN 12	---	---	1927
1969	---	---	---	---	1969
1970	---	60.6B ON APR 21	0.311B ON MAR 5	247 000	1970
1971	176 AT 23:00 MST ON JUL 10	173 ON JUL 10	0.153B ON MAR 14	483 000	1971
1972	78.4 AT 07:30 MST ON MAY 1	78.2 ON MAY 1	0.244B ON MAR 15	394 000	1972
1973	64.8 AT 15:30 MST ON JUN 19	63.7 ON JUN 19	0.388B ON MAR 18	294 000	1973
1974	182 AT 21:00 MST ON APR 30 *	181 ON APR 30 *	0.725B ON MAR 16	541 000	1974
1975	89.2 AT 18:30 MST ON JUL 2	88.9 ON JUL 2	0.371B ON MAR 26	309 000	1975
1976	81.0 AT 15:00 MST ON AUG 30	80.1 ON AUG 30	0.289B ON MAR 15	296 000	1976
1977	84.4 AT 20:00 MST ON JUN 5	84.1 ON JUN 5	0.592B ON MAR 28	398 000	1977
1978	97.4 AT 00:30 MST ON SEP 22	96.6 ON SEP 21	0.224B ON MAR 3	333 000	1978
1979	110 AT 21:00 MST ON JUL 7	109 ON JUL 7	0.350B ON MAR 1	545 000	1979
1980	39.2 AT 21:30 MST ON SEP 19	37.4 ON SEP 19	0.119B ON MAR 15	182 000	1980
1981	34.9 AT 09:00 MST ON JUL 25	34.6E ON JUL 25	0.245B ON MAR 6	167 000	1981
1982	47.7 AT 12:59 MST ON AUG 6	46.6 ON AUG 6	0.062B ON MAR 13 *	178 000	1982
				336 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.176	3.78	2.73	2.68	4.26	4.81	2.84	1.41	---	---	2.83	1976
1977	---	---	0.266	4.67	5.54	3.62	4.78	1.49	1.41	1.92	---	---	2.96	1977
1978	---	---	0.153	3.52	3.85	2.16	0.582	0.433	5.57	1.03	---	---	2.14	1978
1979	---	---	0.167	1.18	9.18	7.85	9.46	1.46	0.620	0.209	---	---	3.77	1979
1980	---	---	0.063	1.66	1.35	1.80	1.23	3.31	4.15	1.36	---	---	1.86	1980
1981	---	---	0.535	2.67	2.54	1.99	1.55	0.380	0.274	0.402	---	---	1.29	1981
1982	---	---	0.023	0.661	4.27	0.873	3.24	3.68	0.589	0.425	---	---	1.73	1982
MEAN	---	---	0.198	2.59	4.21	3.00	3.59	2.22	2.21	0.965	---	---	2.37	MEAN

LOCATION - LAT 55 17 00 N DRAINAGE AREA, 233 km^2
LONG 114 46 30 W NATURAL FLOW

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	37.4 AT 19:30 MST ON AUG 26	20.6 ON AUG 27	0.045B ON MAR 3	60 000	1976
1977	39.1 AT 22:30 MST ON JUL 6	25.6 ON JUL 7	0.193B ON MAR 22	62 600	1977
1978	58.3 AT 13:30 MST ON SEP 17	45.9 ON SEP 17	0.048B ON MAR 5	45 300	1978
1979	79.8A AT 18:00 MST ON JUL 1 *	55.7 A ON JUN 14 *	0.060B ON MAR 1	79 800	1979
1980	23.0 AT 01:00 MST ON AUG 6	16.3 ON AUG 6	0.016B ON MAR 3 *	39 300	1980
1981	13.1 AT 00:30 MST ON APR 25	8.72 ON APR 25	0.062B ON MAR 7	27 300	1981
1982	22.8 AT 07:09 MST ON AUG 4	20.7 ON AUG 4	0.020B ON MAR 1	36 600	1982
				50 100	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	0.040	0.037	0.032	---	---	---	1912
1913	---	---	---	---	0.145	0.009	---	---	---	---	---	---	---	1913
1914	---	---	---	0.981	0.017	---	---	---	---	---	---	---	---	1914
1915	---	---	---	2.17	0.107	0.124	0.032	0.014	0.016	0.023	---	---	---	1915
1916	---	---	7.72	0.289	0.089	2.35	2.28	0.914	0.136	0.145	---	---	1.75	1916
1917	---	---	---	9.41	1.54	0.281	0.003	0	0	0	---	---	---	1917
1919	---	---	0.005	0.069	0.026	0.001	0	0	0	0	---	---	0.012	1919
1920	---	0	2.90	3.49	1.13	0.006	0.001	0	0	0.004	---	---	0.939	1920
1921	---	0.837	1.38	4.71	0.704	0.012	0.004	0	0.005	0.007	---	---	0.844	1921
1922	---	---	1.76	9.20	1.33	0.007	0.002	0	0	0.001	---	---	1.52	1922
1923	---	0.004	0.063	0.348	0.014	0.278	0.028	0.012	0	0.005	---	---	0.092	1923
1924	---	0.010	0.005	0.009	0	0	0	0.020	0	0.050	---	---	0.011	1924
1925	---	0.054	2.01	4.53	0.237	0.013	0.002	0.003	0.035	0.160	---	---	0.865	1925
1926	---	0.012	1.12	0.081	0.025	0.013	0.001	0.002	0.008	0.034	---	---	0.163	1926
1927	---	0.004	0.251	6.28	6.23	3.33	1.39	0.287	0.055	0.014	---	---	2.22	1927
1928	---	---	15.7	6.97	0.141	0.064	0.306	0.029	0.015	0.027	---	---	2.91	1928
1929	---	0	0.270	0.259	0.123	0.019	0.004	0	0.003	0.007	---	---	0.085	1929
1930	---	0.348	0.194	0.046	0.006	0.002	0	0	0.002	0.004	---	---	0.032	1930
1931	---	0.015	0.030	0.017	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	4.06	1.32	0.004	0	---	---	---	---	---	---	1935
1936	---	---	2.65	2.56	0.400	0.004	0	0	0	0	---	---	0.700	1936
1937	---	---	0.013	0.009	0.011	0.002	---	---	---	---	---	---	---	1937
1938	---	---	1.13	1.23	0.296	0.021	---	---	---	---	---	---	---	1938
1939	---	---	2.42	0.495	0.228	0.042	---	---	---	---	---	---	---	1939
1940	---	---	0.006	0.910	0.984	0.020	---	---	---	---	---	---	---	1940
1941	---	---	2.98	0.318	0.009	0.007	---	---	---	---	---	---	---	1941
1942	---	---	0.016	0.038	0.032	0.024	---	---	---	---	---	---	---	1942
1943	---	---	4.65	2.87	0.015	0.006	---	---	---	---	---	---	---	1943
1944	---	---	0.015	0.020	0.003	0.002	---	---	---	---	---	---	---	1944
1945	---	---	0.325	0.014	0.007	0.003	---	---	---	---	---	---	---	1945
1946	---	---	0.049	0.011	0.003	0.002	---	---	---	---	---	---	---	1946
1947	---	0.189	7.89	5.95	0.277	0.049	---	---	---	---	---	---	---	1947
1948	---	---	4.66	7.55	1.84	0.005	---	---	---	---	---	---	---	1948
1949	---	---	0.010	0.010	0.005	0.001	---	---	---	---	---	---	---	1949
1950	---	---	0.078	0.041	0.001	0	---	---	---	---	---	---	---	1950
1951	---	---	1.29	10.6	2.23	0.565	---	---	---	---	---	---	---	1951
1952	---	0.719	9.73	31.4	0.402	0.025	---	---	---	---	---	---	---	1952
1953	---	---	0.398	2.42	2.09	2.71	---	---	---	---	---	---	---	1953
1954	---	0.010	0.020	0.802	0.054	0.023	---	---	---	---	---	---	---	1954
1955	---	---	0.990	7.49	2.10	0.306	---	---	---	---	---	---	---	1955
1956	---	---	1.11	0.338	0.029	0.016	0.020	0.156	0.156	0.082	---	---	0.238	1956
1973	---	---	---	---	0.343	1.50	1.05	1.24	0.533	0.477	---	---	---	1973
1974	---	---	---	---	0.197	1.27	1.15	0.935	0.419	0.429	0.082	---	---	1974
1975	---	---	---	---	1.32	0.615	0.938	1.32	0.839	0.715	0.237	---	---	1975
1976	---	---	---	---	0.426	1.48	1.65	0.856	0.618	1.08	---	---	---	1976
1977	---	---	---	---	0.938	1.32	1.39	0.947	0.506	0.691	---	---	---	1977
1978	---	---	---	---	0.195	0.405	1.47	---	---	---	---	---	---	1978
1979	---	---	---	---	0.578	1.69	1.57	1.22	0.893	0.746	---	---	---	1979
1980	---	---	---	---	0.859	1.26	1.32	1.35	0.973	0.863	---	---	---	1980
1981	---	---	---	---	0.928	1.91	1.73	1.58	1.46	0.858	---	---	---	1981
1982	---	---	---	---	0.574	1.76	2.02	2.08	1.45	0.892	---	---	---	1982
MEAN	---	0.169	2.11	3.28	0.624	0.491	0.656	0.482	0.302	0.272	0.160	---	0.825	MEAN

LOCATION - LAT 50 01 25 N DRAINAGE AREA, 3 270 km²
LONG 110 41 02 W REGULATED SINCE 1955

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUL 24 *	---	1912
1913	---	11.3 ON APR 8	0 ON JUN 1	---	1913
1914	---	3.11 ON APR 8	0 ON MAY 20	---	1914
1915	---	12.7 ON APR 4	---	---	1915
1916	---	21.2 ON MAR 13	0.007 ON MAY 26	37 100	1916
1917	---	21.7 ON MAR 31	0 ON JUN 19	---	1917
1919	---	0.498 ON APR 27	0 B ON MAR 1	264	1919
1920	---	11.5 ON MAR 23	0 B ON MAR 1	19 900	1920
1921	---	14.2 ON APR 16	0 ON JUL 21	17 900	1921
1922	---	24.1 ON APR 24	0 B ON MAR 1	32 100	1922
1923	---	1.81 ON JUN 17	0 B ON MAR 5	1 950	1923
1924	---	0.309 ON OCT 12	0 B ON MAR 12	225	1924
1925	---	23.3 B ON MAR 31	0 B ON MAR 1	18 300	1925
1926	---	7.45 B ON MAR 7	0 B ON MAR 4	3 440	1926
1927	---	21.3 ON APR 27	0 ON SEP 4	47 000	1927
1928	---	54.4 ON MAR 23	0 B ON MAR 1	61 600	1928
1929	---	1.13 ON MAR 19	0 B ON MAR 1	1 810	1929
1930	---	0.983B ON MAR 2	0 ON JUN 2	673	1930
1931	---	---	---	---	1931
1935	---	11.6 ON APR 19	0 ON JUN 3	---	1935
1936	---	14.8 B ON MAR 7	0 B ON MAR 1	14 800	1936
1937	---	---	0 B ON MAR 1	---	1937
1938	---	6.46 ON MAR 30	0 B ON MAR 1	---	1938
1939	19.3 B AT 06:00 MST ON MAR 21	12.5 B ON MAR 21	0 B ON MAR 1	---	1939
1940	10.1 AT 19:00 MST ON APR 25	9.15 ON APR 25	0 B ON MAR 1	---	1940
1941	11.7 AT 18:30 MST ON MAR 24	11.4 ON MAR 24	0 B ON MAR 1	---	1941
1942	---	---	0 ON MAR 1	---	1942
1943	46.2 AT 08:00 MST ON MAR 25	26.2 ON MAR 25	0 ON MAR 1	---	1943
1944	---	---	0 B ON MAR 1	---	1944
1945	4.25B AT 20:00 MST ON MAR 10	1.76 B ON MAR 11	0 B ON MAR 1	---	1945
1946	---	---	0 ON MAY 9	---	1946
1947	48.4 ON MAR 22	41.1 ON MAR 24	0 B ON MAR 1	---	1947
1948	39.1 B ON MAR 22	21.9 B ON MAR 22	0 B ON MAR 1	---	1948
1949	---	---	0 B ON MAR 1	---	1949
1950	---	---	0 B ON MAR 11	---	1950
1951	33.4 B AT 19:00 MST ON MAR 31	28.9 B ON APR 1	0 B ON MAR 1	---	1951
1952	136 ON MAR 31 *	119 ON MAR 31 *	0 B ON MAR 1	---	1952
1953	15.0 AT 18:00 MST ON JUN 4	11.6 ON JUN 7	0 B ON MAR 1	---	1953
1954	---	4.64 ON APR 8	0 B ON MAR 1	---	1954
1955	15.9 B AT 05:00 MST ON MAR 31	13.1 B ON MAR 31	0 B ON MAR 23	---	1955
1956	6.20B AT 14:00 MST ON MAR 20	5.86 B ON MAR 20	0 B ON MAR 1	5 050	1956
1973	---	6.31 ON JUN 16	---	---	1973
1974	---	3.37 ON JUN 26	---	---	1974
1975	---	---	---	---	1975
1976	5.95 AT 05:10 MST ON JUL 13	4.62 ON JUL 13	---	---	1976
1977	---	2.41 ON MAY 16	---	---	1977
1978	---	---	0 ON MAY 20	---	1978
1979	---	2.76 ON JUN 20	---	---	1979
1980	4.44 AT 23:55 MST ON JUN 27	3.35 ON MAY 26	0 E ON MAY 1	---	1980
1981	5.34 AT 17:10 MST ON JUN 14	4.37 ON JUN 15	---	---	1981
1982	17.9 AT 01:44 MST ON JUN 30	---	---	---	1982
				17 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.624	0	0.070	---	---	---	---	---	---	1920
1921	---	---	0.872	3.39	0.522	0.005	0	---	---	---	---	---	---	1921
1922	---	---	0.932	6.83	1.11	0.014	0	0	---	---	---	---	---	1922
1923	---	---	0	0.409	0.011	0.005	0.011	---	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	1.46	2.19	0.118	0.006	0	0	0	0	---	---	0.469	1925
1926	---	0	0.981	0.106	0	0	---	---	---	---	---	---	---	1926
1927	---	0	0.023	3.01	1.94	0.696	0.082	0.001	0	0	---	---	0.712	1927
1928	---	---	7.09	0.958	0.086	0.003	0.163	0	0	0	---	---	1.05	1928
1929	---	0	0.137	0.771	0.410	0.015	---	---	---	---	---	---	---	1929
1930	---	0.259	0.074	0.256	0.060	0	0	0	0.003	0	---	---	0.049	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.913	---	0.360	0	---	---	---	---	---	---	---	1936
MEAN	---	0.043	1.04	1.63	0.437	0.062	0.036	0	0.001	0	---	---	0.456	MEAN

LOCATION - LAT 49 50 00 N   DRAINAGE AREA, 2 550 km^2
LONG 110 54 00 W   NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1920	---	---	0 ON MAY 30 *	---	1920
1921	---	16.0 ON APR 16	0 ON JUN 12	---	1921
1922	---	14.0 ON APR 23	0B ON MAR 1	---	1922
1923	---	1.70 ON APR 15	0B ON MAR 1	---	1923
1924	---	0 B ON MAR 1	0B ON MAR 1	0	1924
1925	---	18.0 ON MAR 31	0B ON MAR 1	9 920	1925
1926	---	4.70 B ON MAR 6	0B ON MAR 1	---	1926
1927	---	11.9 ON APR 26	0B ON MAR 1	15 100	1927
1928	---	32.6 ON MAR 24 *	0B ON MAR 1	22 200	1928
1929	---	3.74 B ON APR 2	0B ON MAR 1	---	1929
1930	---	0.450 ON APR 9	0B ON MAR 19	1 030	1930
1931	---	---	0 ON MAR 1	---	1931
1936	---	7.19 B ON MAR 3	0B ON MAR 1	---	1936
				9 650	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 46 00 N   DRAINAGE AREA, 2 280 km²
LONG 111 03 00 W   NATURAL FLOW

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1936	---	2.38 ON APR 19 *	0B ON MAR 1 *	---	1936
				---	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.042	0.143	0.061	0.070	---	---	---	1965
1966	---	---	1.87	0.111	0.008	0.054	1.31	0.019	0.008	0.045	---	---	0.433	1966
1967	---	---	0.606	0.904	0.107	0.090	0.012	0.004	0.192	0	---	---	0.237	1967
1968	---	---	0.039	0.009	0.003	0.008	0.016	0.004	0.027	0.002	---	---	0.013	1968
1969	---	---	0.126	1.43	0.010	0.104	0	0	0	0	---	---	0.205	1969
1970	---	---	0.106	0.029	0.007	0.253	0.046	0	0	0.026	---	---	0.058	1970
MEAN	---	---	0.549	0.497	0.027	0.102	0.238	0.028	0.048	0.024	---	---	0.189	MEAN

LOCATION - LAT 51 16 07 N   DRAINAGE AREA, 158 km²
LONG 112 56 51 W   NATURAL FLOW

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	0 ON JUL 12 *	---	1965
1966	99.4 ON JUL 3 *	20.1 ON JUL 3 *	0B ON MAR 1	9 160	1966
1967	---	3.26 B ON APR 3	0 ON AUG 26	5 020	1967
1968	---	0.283E ON SEP 23	0E ON MAY 1	285	1968
1969	---	8.50 ON APR 3	0B ON MAR 1	4 340	1969
1970	---	1.53 ON JUN 17	0B ON MAR 1	1 220	1970
				4 010	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.005	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.026	0.026	0.006	0.006	0	0.002	0.001	0.005	---	---	0.009	1978
1979	---	---	0.018	0.009	0.009	0.001	0	0	0	0	---	---	0.005	1979
1980	---	---	0.003	0.007	0.001	0.019	0.004	0.003	0	0	---	---	0.005	1980
1981	---	---	0	0.001	0.024	0.006	0.006	0.002	0	0	---	---	0.005	1981
1982	---	---	0.017	0.027	0.008	0.005	0.009	0	0	0	---	---	0.008	1982
MEAN	---	---	0.011	0.012	0.009	0.006	0.003	0.001	0	0.001	---	---	0.006	MEAN

LOCATION - LAT 51 33 44 N DRAINAGE AREA, 38.3 km^2
LONG 114 02 09 W NATURAL FLOW

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON JUL 1 *	---	1976
1977	0.017 AT 23:00 MST ON MAY 6	0.013 ON MAY 6	0B ON MAR 1	14.7	1977
1978	0.309B AT 19:00 MST ON MAR 26	0.198B ON MAR 27 *	0B ON MAR 1	193	1978
1979	0.124 AT 11:00 MST ON MAR 8	0.092A ON MAR 6	0B ON MAR 1	96.2	1979
1980	0.493 AT 19:30 MST ON JUN 18 *	0.196 ON JUN 18	0B ON MAR 1	102	1980
1981	0.062 AT 05:55 MST ON MAY 9	0.062 ON MAY 8	0B ON MAR 1	103	1981
1982	---	0.186A ON APR 13	0B ON MAR 1	176	1982
				114	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	6.46	3.28	2.21	---	---	---	1909
1910	---	---	---	---	---	7.97	3.93	3.59	6.47	3.84	---	---	---	1910
1911	---	---	---	2.76	8.10	17.2	7.08	15.4	12.7	4.58	---	---	---	1911
1912	---	---	---	6.70	7.91	14.2	22.3	7.08	3.79	3.62	---	---	---	1912
1913	---	---	---	---	7.07	15.1	9.80	8.77	4.64	3.15	---	---	---	1913
1914	---	---	---	3.07	8.80	11.7	5.84	2.95	3.02	4.46	---	---	---	1914
1915	---	---	---	2.80	26.9	43.2	28.8	11.1	6.46	5.30	---	---	---	1915
1916	---	---	---	---	9.53	63.4	21.7	25.2	13.0	6.58	---	---	---	1916
1968	---	---	---	---	---	---	---	---	---	---	---	1.41	---	1968
1969	1.09	1.06	1.53	8.83	16.1	29.2	26.6	4.04	2.50	2.07	1.50	1.01	7.99	1969
1970	0.771	0.718	0.877	1.67	11.8	26.9	7.72	2.30	1.78	1.22	1.09	0.906	4.81	1970
1971	0.725	0.752	0.882	3.95	13.7	21.1	5.61	2.88	2.34	2.11	1.31	0.703	4.68	1971
1972	0.656	0.757	2.25	3.96	16.3	20.8	8.60	4.96	2.89	2.18	1.48	1.21	5.51	1972
1973	1.05	0.990	1.21	2.30	11.5	16.9	5.65	3.15	3.67	2.02	1.33	1.10	4.24	1973
1974	0.903	0.909	1.12	4.99	16.0	28.8	7.50	6.24	5.64	3.27	1.91	1.41	6.57	1974
1975	1.05	0.904	0.946	2.59	9.59	21.5	11.0	4.59	2.80	1.97	1.38	1.34	4.98	1975
1976	1.05	0.963	1.08	2.96	9.79	7.21	5.25	8.78	3.65	2.30	1.39	1.14	3.81	1976
1977	0.874	0.875	1.03	2.12	4.43	4.26	2.43	5.67	3.53	2.57	1.13	0.985	2.50	1977
1978	0.925	0.730	1.61	3.56	10.8	19.8	12.4	5.13	3.80	2.49	1.77	1.44	5.38	1978
1979	1.07	0.973	1.44	2.51	9.96	9.16	4.55	3.45	2.12	1.44	1.01	1.10	3.25	1979
1980	0.845	0.868	0.788	4.57	11.9	21.9	4.55	5.54	4.42	2.89	1.65	1.88	5.15	1980
1981	1.33	1.16	1.35	1.72	27.1	20.7	11.4	6.54	2.61	2.03	1.36	0.971	6.57	1981
1982	0.684	0.751	0.748	2.00	4.75	15.7	6.26	2.25	2.65	2.79	1.35	0.894	3.40	1982
MEAN	0.930	0.886	1.20	3.50	12.1	20.8	10.4	6.64	4.44	2.96	1.40	1.17	4.92	MEAN

LOCATION - LAT 50 41 14 N DRAINAGE AREA, 554 km^2
LONG 114 14 34 W NATURAL FLOW

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	66.8 ON AUG 7	---	---	1911
1912	---	51.8 ON JUL 8	---	---	1912
1913	---	29.4 ON JUN 28	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	133 ON JUN 26	---	---	1915
1916	---	200 ON JUN 28 *	---	---	1916
1968	---	---	---	---	1968
1969	---	96.3E ON JUN 29	0.348 ON DEC 8 *	252 000	1969
1970	195 AT 04:59 MST ON JUN 14 *	122 ON JUN 14	0.626 ON MAR 1	152 000	1970
1971	92.0 AT 07:00 MST ON JUN 6	71.9 ON JUN 6	0.646B ON DEC 28	147 000	1971
1972	45.9 AT 02:00 MST ON JUN 1	41.1 ON JUN 1	0.547 ON JAN 11	174 000	1972
1973	39.4 AT 02:00 MST ON JUN 7	34.0 ON JUN 7	0.677 ON NOV 8	134 000	1973
1974	55.8 AT 24:00 MST ON JUN 15	50.7 ON JUN 16	0.731 ON MAR 23	207 000	1974
1975	104 AT 02:30 MST ON JUN 20	83.8 ON JUN 20	0.841 ON JAN 17	157 000	1975
1976	45.0 AT 03:00 MST ON AUG 6	32.3 ON AUG 6	0.606 ON NOV 22	121 000	1976
1977	20.9 AT 09:30 MST ON AUG 13	15.2 ON AUG 14	0.668 ON NOV 18	78 900	1977
1978	53.2 AT 24:00 MST ON JUN 4	43.3 ON JUN 6	0.614 ON FEB 26	170 000	1978
1979	39.6 AT 02:00 MST ON MAY 27	29.6 ON MAY 27	0.498 ON NOV 20	102 000	1979
1980	69.1 AT 22:30 MST ON JUN 3	59.2 ON JUN 3	0.690 ON APR 1	163 000	1980
1981	122 AT 02:00 MST ON MAY 26	87.0 ON MAY 26	0.768B ON DEC 31	207 000	1981
1982	26.3 AT 23:51 MST ON JUN 14	21.8 ON JUN 15	0.530B ON JAN 7	107 000	1982
				155 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	4.52	2.10	1.64	---	---	---	1950
1951	---	---	---	---	18.1	27.2	24.9	11.7	19.8	8.97	---	---	---	1951
1952	---	---	---	14.0	13.9	17.7	11.8	8.93	4.40	2.57	---	---	---	1952
1953	---	---	1.43	2.22	15.1	43.2	14.4	4.73	2.31	1.92	---	---	10.6	1953
1954	---	---	0.595	11.4	19.1	17.0	10.4	7.50	5.76	6.11	---	---	9.71	1954
1955	---	---	0.910	2.89	10.0	15.9	10.9	2.93	2.09	2.20	---	---	5.98	1955
1956	---	---	0.852	5.36	13.9	13.1	14.3	4.04	2.68	1.82	---	---	7.01	1956
1957	---	---	1.18	9.57	14.4	11.1	3.99	2.62	3.21	2.44	---	---	6.05	1957
1958	---	---	0.809	12.3	18.4	14.5	19.4	6.27	3.25	2.22	---	---	9.64	1958
1959	---	---	0.690	1.77	7.64	15.0	7.06	3.40	3.96	2.96	---	---	5.30	1959
1960	---	---	2.89	2.87	11.0	14.5	6.09	4.61	1.97	1.54	---	---	5.67	1960
1961	---	---	0.746	1.02	15.2	13.3	7.18	6.06	3.88	6.83	---	---	6.78	1961
1962	---	---	1.21	5.04	8.46	12.0	5.04	2.83	3.43	1.98	---	---	4.97	1962
1963	---	---	1.01	1.73	6.83	26.0	8.68	3.52	2.66	2.11	---	---	6.52	1963
1964	---	---	0.886	1.42	11.2	29.6	7.76	2.89	2.93	2.68	---	---	7.38	1964
1965	---	---	0.553	3.70	5.63	24.5	15.3	8.99	6.79	6.22	---	---	8.93	1965
1966	---	---	1.30	2.32	11.9	16.6	8.18	4.15	2.74	2.50	---	---	6.20	1966
1967	---	---	0.837	1.08	16.9	39.3	11.0	3.45	2.38	1.64	---	---	9.52	1967
1968	---	---	0.754	1.26	6.89	19.9	7.81	5.14	5.14	4.98	---	---	6.46	1968
1969	---	---	---	---	14.2	28.5	26.3	3.97	2.49	1.88	---	---	---	1969
MEAN	---	---	1.04	4.70	12.6	21.0	11.6	5.11	4.20	3.26	---	---	7.30	MEAN

LOCATION - LAT 50 37 20 N DRAINAGE AREA, 454 km^2
LONG 114 25 40 W NATURAL FLOW

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	106 ON JUL 9	81.3 ON AUG 30	---	---	1951
1952	62.0 ON JUN 12	40.2 ON JUN 12	---	---	1952
1953	104 ON JUN 13	81.3 ON JUN 9	0.453B ON MAR 1	225 000	1953
1954	35.7 ON MAY 19	30.3B ON MAY 6	0.283B ON MAR 11 *	205 000	1954
1955	46.2 ON MAY 19	26.6 ON MAY 19	0.850B ON MAR 1	126 000	1955
1956	49.8 ON JUL 3	37.7 ON JUL 4	0.765B ON MAR 17	149 000	1956
1957	59.2B ON APR 28	37.9B ON APR 28	0.651B ON MAR 1	128 000	1957
1958	52.4B ON APR 13	40.8B ON APR 13	0.566B ON MAR 11	204 000	1958
1959	36.0 ON JUN 27	29.2 ON JUN 27	0.368B ON MAR 14	112 000	1959
1960	36.8 ON MAY 11	30.0 ON MAY 12	0.821B ON MAR 14	120 000	1960
1961	55.2 AT 05:00 MST ON MAY 27	47.3 ON MAY 27	0.425B ON MAR 7	143 000	1961
1962	25.3 AT 23:00 MST ON JUN 15	21.1 ON JUN 15	0.691B ON MAR 4	105 000	1962
1963	340 AT 18:00 MST ON JUN 29 *	123 ON JUN 29	0.561B ON MAR 6	138 000	1963
1964	110 AT 01:00 MST ON JUN 8	72.8 ON JUN 8	0.776B ON MAR 30	156 000	1964
1965	---	92.6 ON JUN 18	0.368B ON MAR 1	189 000	1965
1966	34.8 AT 02:00 MST ON JUN 5	31.4 ON JUN 5	0.963B ON MAR 4	131 000	1966
1967	303 AT 20:00 MST ON MAY 30	187 ON MAY 30 *	0.544B ON APR 5	202 000	1967
1968	---	46.2 ON JUN 10	0.640B ON MAR 18	137 000	1968
1969	126 AT 02:13 MST ON JUN 26	95.1 ON JUN 29	---	---	1969
				154 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	27.5	67.9	12.6	5.31	3.48	5.43	---	---	---	1908
1909	---	---	---	---	---	57.1	29.3	9.00	3.68	2.51	---	---	---	1909
1910	---	---	---	3.17	7.13	7.10	3.37	3.25	5.94	4.40	---	---	---	1910
1911	---	---	---	7.73	16.0	24.2	10.9	24.2	19.5	7.95	---	---	---	1911
1912	---	---	---	---	14.4	25.9	47.6	11.0	6.26	7.46	---	---	---	1912
1913	---	---	---	9.83	13.2	20.8	13.1	11.7	5.48	4.19	---	---	---	1913
1914	---	---	---	---	14.6	15.9	9.35	3.61	3.04	5.99	---	---	---	1914
1915	---	---	---	3.51	37.7	75.3 R	111	24.0	13.2	10.8	---	---	---	1915
1916	---	---	---	12.0	28.6	97.1	31.8	40.8	24.0	10.0	9.47	3.09	---	1916
1917	1.46	0.526	1.30	4.89	38.9	60.6	14.1	7.61	4.48	2.88	2.48	1.32	11.7	1917
1918	0.912	1.21	5.61	3.68	8.55	14.3	6.65	6.68	4.34	2.96	2.34	1.63	4.92	1918
1919	1.14	0.633	0.910	4.06	12.2	7.80	3.40	12.3	3.21	2.53	0.972	1.16	4.22	1919
1920	1.15	0.821	1.79	---	---	---	---	---	---	---	---	---	---	1920
1965	---	---	---	---	---	---	---	---	---	9.22	3.18	2.02	---	1965
1966	1.56	2.14	5.46	13.0	17.6	26.6	17.6	8.99	3.85	2.81	1.95	0.600	8.53	1966
1967	1.05	0.823	1.96	7.82	47.0	56.7	11.0	4.41	2.52	1.79	1.30	0.883	11.5	1967
1968	0.704	0.803	1.58	2.60	10.7	22.6	9.10	6.27	6.66	7.43	2.30	---	---	1968
MEAN	1.14	0.994	2.66	6.57	21.0	35.7 R	22.1	11.9	7.31	5.52	3.00	1.53	8.17	MEAN

LOCATION - LAT 50 43 17 N, LONG 113 58 51 W

DRAINAGE AREA, 1 500 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	218 ON JUN 2	---	---	1908
1909	---	96.0 ON MAY 25	---	---	1909
1910	---	11.6 ON MAY 26	---	---	1910
1911	---	68.2 ON AUG 8	---	---	1911
1912	---	154 ON JUN 16	---	---	1912
1913	---	44.7 ON JUN 28	---	---	1913
1914	---	24.2 ON JUN 4	---	---	1914
1915	---	524 ON JUL 16 *	---	---	1915
1916	---	265 ON AUG 18	---	---	1916
1917	---	154 ON JUN 3	0.085B ON FEB 2 *	370 000	1917
1918	---	24.6 ON JUN 10	0.510B ON FEB 19	155 000	1918
1919	---	55.5 ON AUG 4	0.510B ON FEB 19	133 000	1919
1920	---	---	0.680B ON FEB 3	---	1920
1965	---	---	---	---	1965
1966	---	60.9 ON JUN 5	0.283B ON DEC 4	269 000	1966
1967	---	476 ON MAY 31	0.580B ON MAR 11	362 000	1967
1968	---	62.0 ON JUN 9	---	---	1968
MEAN				258 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	3.59	3.15	2.60	1.19	---	1957
1958	0.999	0.867	1.27	19.3	25.5	20.7	24.2	7.20	3.81	2.40	1.74	2.05	9.22	1958
1959	1.52	1.32	2.68	4.08	14.5	20.3	8.35	3.78	4.54	3.93	2.97	3.59	5.98	1959
1960	0.739	2.58	6.98	5.91	17.4	17.0	6.69	4.87	1.79	1.55	1.00	0.951	5.63	1960
1961	0.820	0.793	1.33	2.20	22.7	15.0	7.82	6.67	4.28	9.72	4.03	1.43	6.45	1961
1962	1.56	1.34	2.56	12.5	14.7	15.9	5.62	2.85	3.72	2.13	1.30	1.24	5.46	1962
1963	0.652	3.34	1.99	2.29	8.10	39.9	27.2	5.07	3.74	2.29	1.30	2.03	8.16	1963
1964	1.08	1.02	1.54	3.10	26.2	35.8	7.74	2.55	3.56	3.02	1.64	0.702	7.32	1964
1965	0.322	0.268	4.65	14.6	9.05	48.8	31.4	10.4	11.8	---	---	---	---	1965
MEAN	0.962	1.44	2.88	8.00	17.3	26.7	14.9	5.42	4.54	3.52	2.07	1.65	6.89	MEAN

LOCATION - LAT 50 42 45 N, LONG 113 52 50 W

DRAINAGE AREA, 1 570 km²
NATURAL FLOW

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	86.7 AT 10:00 MST ON APR 14	69.7 ON APR 14	0.453B ON FEB 8	291 000	1958
1959	80.7 AT 20:20 MST ON JUN 27	57.8 ON JUN 27	0.623B ON FEB 8	188 000	1959
1960	---	39.4 ON MAY 12	0.311B ON JAN 13	178 000	1960
1961	62.3 AT 20:00 MST ON MAY 27	55.5 ON MAY 27	0.453B ON JAN 26	204 000	1961
1962	44.7 AT 03:00 MST ON APR 16	38.5 ON MAY 21	0.323B ON FEB 21	172 000	1962
1963	507 AT 10:00 MST ON JUN 30 *	320 ON JUN 30 *	0.278B ON JAN 9	257 000	1963
1964	---	91.7A ON JUN 8	0.130B ON DEC 24	231 000	1964
1965	---	191 ON JUN 18	0.085B ON FEB 1 *	---	1965
MEAN				217 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.227	0.023	0.006	0.003	0.008	0	0	0	---	---	0.034	1968
1969	---	---	0	2.40	0.356	0.016	0.293	2.06	2.01	1.02	---	---	1.01	1969
1970	---	---	0	4.81	0.748	0.491	0.434	0.245	0.087	0.025	---	---	0.843	1970
1971	---	---	0	2.32	0.259	0.694	4.45	0.997	0.374	0.647	---	---	1.22	1971
1972	---	---	0.001	3.97	2.07	0.530	0.243	0.179	0.071	0.099	---	---	0.862	1972
1973	---	---	0.539	0.696	0.174	0.560	0.303	0.239	0.201	0.526	---	---	0.404	1973
1975	---	---	0	0.845	0.285	0.820	0.763	0.272	0.301	0.128	---	---	0.424	1975
1976	---	---	0.293	1.38	0.176	---	---	0.207	0	0.380	---	---	---	1976
1977	---	---	0	0.548	0.218	1.04	0.890	0.082	0.257	0.109	---	---	0.501	1977
1978	---	---	0.458	1.24	---	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.152	1.82	0.477	0.494	0.923	0.565	0.367	0.335	---	---	0.662	MEAN

LOCATION - LAT 54 18 50 N DRAINAGE AREA, 425 km²
LONG 114 12 04 W NATURAL FLOW

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.714 AT 10:16 MST ON MAR 25	0.513B ON MAR 5	0 ON JUN 25 *	716	1968
1969	13.6 AT 07:00 MST ON APR 13	13.3 ON APR 13	0B ON MAR 1	21 500	1969
1970	19.5 AT 23:00 MST ON APR 13 *	17.5 ON APR 13 *	0B ON MAR 1	17 900	1970
1971	17.9 B AT 20:00 MST ON APR 20	16.0 ON APR 21	0B ON MAR 1	25 800	1971
1972	13.3 B AT 01:30 MST ON APR 21	12.3 B ON APR 21	0B ON MAR 1	18 300	1972
1973	4.16 B AT 13:00 MST ON APR 1	3.5 B ON MAR 31	0B ON MAR 1	8 540	1973
1975	4.64 B AT 11:30 MST ON APR 20	4.33 B ON APR 20	0B ON MAR 1	8 [illegible]	1975
1976	3.96 B AT 14:00 MST ON APR 8	3.31 B ON APR 6	0B ON MAR 1	---	1976
1977	4.13 AT 11:30 MST ON JUN 3	3.85 ON JUN 3	0B ON MAR 1	10 600	1977
1978	---	---	0B ON MAR 1	---	1978
				14 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	17.3	---	---	1.40	1.68	0.670	0.526	---	1915
1916	0.335	0.461	0.574	0.779	2.85	5.83	7.14	6.30	4.95	2.31	1.05	0.583	2.77	1916
1917	0.531	0.428	0.386	0.719	7.84	6.83	3.61	1.29	1.61	1.03	0.785	0.620	2.15	1917
1918	0.524	0.553	0.581	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0.463	0.481	0.514	0.749	5.35	9.99	5.38	3.80	2.65	1.67	0.835	0.563	2.46	MEAN

LOCATION - LAT 52 25 42 N DRAINAGE AREA, 283 km²
LONG 115 46 50 W NATURAL FLOW

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	97.1 ON JUN 27 *	---	---	1915
1916	---	25.0 ON AUG 18	0.311B ON JAN 10	87 500	1916
1917	---	24.0 ON MAY 26	0.283 ON APR 29 *	67 800	1917
1918	---	---	---	---	1918
				77 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	4.59	18.0	27.8	13.9	---	3.75	---	---	---	1975
1976	---	---	---	---	10.9	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	24.2	17.8	17.9	8.20	3.15	---	---	---	1977
1978	---	---	---	---	6.10	28.3	31.3	16.1	14.9	5.18	---	---	16.9	1978
1979	---	---	---	---	6.81	23.5	23.1	14.9	9.22	4.73	---	---	13.7	1979
1980	---	---	---	---	17.7	29.7	23.2	13.1	8.21	5.52	---	---	16.2	1980
1981	---	---	---	---	15.8	16.7	38.3	24.7	9.12	3.91	---	---	18.1	1981
1982	---	---	---	---	5.78	28.9	27.1	16.8	13.5	5.52	---	---	16.0	1982
MEAN	---	---	---	---	9.67	24.2	26.9	16.8	10.4	4.54	---	---	16.2	MEAN

LOCATION - LAT 52 02 30 N DRAINAGE AREA, 510 km²
LONG 116 22 46 W NATURAL FLOW

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	42.5 AT 05:30 MST ON JUL 14	39.1 ON JUL 7	---	---	1975
1976	42.8 AT 00:00 MST ON JUL 1	40.2 ON JUL 1	---	---	1976
1977	49.3 AT 00:50 MST ON JUN 8	47.6 ON JUN 8	---	---	1977
1978	47.3 AT 05:00 MST ON JUN 6	44.2 ON JUN 6	3.23 ON MAY 6	269 000	1978
1979	39.0 AT 23:30 MST ON MAY 28	33.8 ON JUN 12	2.21 ON MAY 8	217 000	1979
1980	59.0 AT 14:55 MST ON JUN 16	53.5 ON JUN 16	3.93 ON OCT 30	258 000	1980
1981	62.3 AT 19:55 MST ON JUL 14 *	60.7 ON JUL 15 *	2.50E ON OCT 31	288 000	1981
1982	42.6 AT 20:50 MST ON JUN 22	40.0 ON JUN 22	1.54 ON MAY 9 *	255 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		257 000	MEAN

E - ESTIMATED

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.083	0.080	0.553	1.36	1.42	0.912	0.347	0.202	0.098	0.021	---	1971
1972	0.028	0.042	0.028	0.034	1.23	1.98	1.43	1.04	0.424	0.220	0.101	0.110	0.557	1972
1973	0.095	0.034	0.028	0.026	0.533	0.930	1.26	0.703	0.520	0.040	0.065	0.045	0.359	1973
1974	0.037	0.036	0.029	0.060	---	1.96	1.81	---	---	---	0.073	0.048	---	1974
1975	0.041	0.034	0.025	0.021	0.196	0.842	2.50	0.742	0.301	0.123	0.090	0.054	0.419	1975
1976	0.043	0.033	0.036	0.085	0.572	1.00	2.12	1.05	0.862	0.232	0.164	0.046	0.520	1976
1977	0.037	0.034	0.022	0.106	0.349	2.12	0.874	0.596	0.339	0.144	0.074	0.041	0.395	1977
1978	0.033	0.021	0.018	0.076	0.341	2.40	2.77	0.590	0.790	0.323	0.104	0.081	0.632	1978
1979	0.043	0.059	0.046	0.035	0.407	1.79	2.19	0.879	0.433	0.168	0.058	0.057	0.516	1979
1980	0.064	0.045	0.036	0.172	0.788	1.34	0.944	0.451	0.285	0.217	0.080	0.064	0.375	1980
1981	0.088	0.046	0.047	0.058	0.770	0.687	1.97	0.956	0.390	0.164	0.083	0.074	0.446	1981
1982	0.076	0.040	0.030	0.032	0.290	1.92	1.50	0.627	0.711	0.258	0.114	0.073	0.474	1982
MEAN	0.050	0.039	0.032	0.062	0.548	1.53	1.73	0.777	0.491	0.190	0.092	0.060	0.469	MEAN

LOCATION - LAT 51 47 58 N DRAINAGE AREA, 20.7 km^2
LONG 116 34 50 W NATURAL FLOW

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	3.28 AT 20:30 MST ON JUL 19	2.78 ON JUN 23	---	---	1971
1972	4.67 AT 23:30 MST ON JUN 10	3.77 ON JUN 10	0.028B ON JAN 1	17 600	1972
1973	2.86 AT 17:00 MST ON JUN 23	2.27 ON JUN 24	0.020B ON MAR 29	11 300	1973
1974	4.62 AT 02:30 MST ON JUN 24	4.25 ON JUN 24	---	---	1974
1975	9.12 AT 18:30 MST ON JUL 5	5.52 ON JUL 5	0.014B ON APR 21 *	13 200	1975
1976	8.24 AT 22:00 MST ON JUN 30	6.00 ON JUN 30	0.031B ON FEB 19	16 400	1976
1977	11.3 AT 19:30 MST ON JUN 7 *	9.83 ON JUN 8 *	0.019B ON MAR 13	12 500	1977
1978	9.03 AT 02:00 MST ON JUN 30	6.34 ON JUL 6	0.016B ON MAR 10	19 900	1978
1979	8.22 AT 21:00 MST ON JUN 28	5.24 ON JUN 29	0.026B ON NOV 30	16 300	1979
1980	3.36B AT 16:30 MST ON APR 27	2.64 ON JUN 16	0.031B ON MAR 16	11 800	1980
1981	3.12 AT 19:25 MST ON JUL 15	3.00 ON JUL 15	0.035B ON APR 12	14 100	1981
1982	3.77 AT 20:55 MST ON JUL 20	3.37 ON JUL 21	0.024B ON MAR 28	14 900	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 800	MEAN

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	11.4	18.7	12.2	---	---	---	1969
1970	---	---	2.38	35.1	57.1	18.4	12.1	7.62	4.67	4.35	2.19	1.60	---	1970
1971	1.40	1.58	1.93	43.2	41.4	127	130	16.9	19.4	50.8	12.1	8.12	38.0	1971
1972	3.14	1.37	5.36	60.6	104	91.4	29.8	16.9	10.4	24.8	8.41	6.70	30.3	1972
1973	4.20	3.40	3.52	75.3	92.0	51.8	17.0	12.3	7.56	14.3	6.10	3.82	24.3	1973
1974	2.82	3.11	2.89	127	193	28.7	11.9	5.85	6.42	4.82	1.99	2.01	32.7	1974
1975	1.78	1.41	1.60	17.5	45.2	24.7	26.4	6.48	6.22	5.15	3.94	2.13	11.9	1975
1976	2.04	2.27	1.76	66.6	45.0	62.2	33.7	121	42.4	13.9	6.83	4.05	33.5	1976
1977	3.27	3.80	4.57	78.8	118	53.8	51.1	33.4	26.6	29.7	10.2	4.67	34.7	1977
1978	3.39	2.83	3.98	27.4	56.3	67.7	21.1	10.4	37.3	17.7	7.52	4.39	21.7	1978
1979	1.59	1.87	2.95	30.8	107	121	53.3	12.5	6.62	6.91	4.95	2.93	29.5	1979
1980	1.98	2.17	2.27	37.8	40.3	108	32.7	19.7	34.9	14.5	8.02	3.88	25.4	1980
1981	4.45	3.84	6.68	41.8	50.9	40.0	16.8	14.6	4.47	4.87	4.08	1.30	16.2	1981
1982	0.771	0.955	1.61	6.19	121	34.4	124	98.6	22.9	17.7	6.06	3.07	37.0	1982
MEAN	2.57	2.38	3.19	49.5	82.4	63.8	43.1	27.7	17.8	15.8	6.34	3.74	27.9	MEAN

LOCATION - LAT 55 08 30 N DRAINAGE AREA, 5 050 km^2
LONG 118 10 30 W NATURAL FLOW

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)
1969	---	---	---	---
1970	156 AT 18:00 MST ON MAY 11	135 ON MAY 12	---	---
1971	821 AT 04:00 MST ON JUL 13	680 ON JUL 13	1.00 B ON FEB 4	1 200 000
1972	694 AT 23:30 MST ON JUN 13	496 ON JUN 14	1.04 B ON FEB 7	957 000
1973	---	255E ON APR 28	3.11 B ON FEB 12	766 000
1974	453 AT 02:00 MST ON MAY 12	422 ON MAY 12	1.19 B ON NOV 24	1 030 000
1975	256 AT 01:00 MST ON JUN 30	222 ON JUN 30	1.30 B ON MAR 9	377 000
1976	663 AT 15:30 MST ON AUG 18	597 ON AUG 18	1.39 B ON MAR 13	1 060 000
1977	413 AT 04:00 MST ON MAY 7	362 ON MAY 7	2.83 B ON JAN 13	1 090 000
1978	377 AT 00:00 MST ON JUN 16	320 ON JUN 16	2.45 B ON DEC 31	685 000
1979	840 AT 11:00 MST ON JUN 15	710 ON JUN 15	1.13 B ON JAN 13	929 000
1980	540 AT 06:30 MST ON JUN 6	479 ON JUN 6	1.42 B ON JAN 28	803 000
1981	120 AT 22:00 MST ON JUN 1	107 ON JUN 2	1.08 B ON DEC 31	510 000
1982	1 440 AT 13:30 MST ON JUL 16 *	1 110A ON JUL 16 *	0.562B ON JAN 30 *	1 160 000
MEAN				881 000

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
1951	---	---	---	---	0.481	3.75	0.699	1.59	0.874	2.12	---	---	1.58
1952	---	---	---	---	1.27	1.56	2.76	2.39	2.71	1.23	---	---	1.98
1953	---	---	---	---	0.770	2.98	0.963	0.011	2.82	2.10	---	---	1.59
1954	---	---	---	---	0.671	2.01	1.23	1.78	2.74	1.72	---	---	1.68
1955	---	---	---	---	0.367	0.701	0.066	0.003	0.003	0.003	---	---	0.189
1966	---	---	---	---	---	0.022	0.095	0.096	0.111	0.072	---	---	---
1967	---	---	---	---	0.394	0.046	0.069	0.293	0.103	0.078	---	---	0.165
1968	---	---	---	---	0.012	0.146	0.299	0.356	0.213	0.055	---	---	0.180
1969	---	---	---	---	0.046	0.087	0.027	0.220	0.144	0.066	---	---	0.098
1970	---	---	---	---	0.030	0.175	0.589	0.341	0.115	0.165	---	---	0.237
1971	---	---	---	---	0.016	0.166	0.374	0.344	0.191	0.101	---	---	0.199
1972	---	---	---	---	0.016	0.171	0.268	0.306	0.067	0.048	---	---	0.146
1973	---	---	---	---	0.128	0.402	0.586	0.205	0.141	0.137	---	---	0.266
1974	---	---	---	---	0.017	0.073	0.200	0.434	0.230	0.191	---	---	0.191
1975	---	---	---	---	0.236	0.069	0.169	0.209	0.063	0.041	---	---	0.132
1976	---	---	---	---	0.077	0.323	0.333	0.152	0.064	0.156	---	---	0.184
1977	---	---	---	---	0.109	0.306	0.484	0.232	0.060	0.048	---	---	0.207
1978	---	---	---	---	0.048	0.051	0.277	0.306	0.227	0.074	---	---	0.164
1979	---	---	---	---	0.034	0.173	0.432	0.460	0.100	0.071	---	---	0.212
MEAN	---	---	---	---	0.262	0.695	0.522	0.512	0.578	0.446	---	---	0.522

LOCATION - LAT 49 39 40 N
LONG 112 49 35 W   REGULATED

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)
1951	---	8.64 ON AUG 12	0 ON MAY 1 *	25 100
1952	---	10.0 ON JUL 17 *	0 ON MAY 1	31 600
1953	---	6.80 ON JUN 23	0.011E ON MAY 1	25 300
1954	---	7.65 ON JUL 12	0 E ON MAY 1	26 800
1955	---	3.17 ON JUN 18	0 E ON MAY 1	3 000
1966	---	0.597 ON JUL 3	---	---
1967	---	1.97 ON MAY 8	0.008 ON OCT 30	2 620
1968	---	1.44 ON SEP 23	0.003 ON MAY 1	2 860
1969	---	0.399 ON MAY 30	0 ON MAY 10	1 560
1970	---	1.29 ON JUN 13	0 ON MAY 5	3 770
1971	---	0.665 ON JUL 26	0 ON MAY 1	3 160
1972	---	0.668 ON JUL 18	0.002 ON MAY 23	2 320
1973	---	2.49 ON JUL 22	0 ON MAY 9	4 230
1974	---	0.985 ON AUG 13	0 ON MAY 27	3 040
1975	---	2.26 ON MAY 7	0 ON JUN 6	2 100
1976	0.561 AT 07:00 MST ON JUL 3 *	0.510 ON JUL 3	0 ON MAY 1	2 930
1977	---	1.09 ON JUL 25	0 ON MAY 1	3 290
1978	---	3.00 ON AUG 23	0.004 ON SEP 5	2 610
1979	---	1.54 ON AUG 24	0 ON MAY 27	3 380
MEAN				8 320

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	---	7 920	7 930	5 800	5 020	4 340	---	---	---	1921
1922	---	---	---	---	---	7 010	5 890	4 760	3 730	---	---	---	---	1922
1930	---	---	---	---	---	---	---	---	---	3 180	2 000	1 800	---	1930
1931	1 630	1 580	1 410	1 420	---	---	---	---	---	---	---	---	---	1931
1953	---	576	543	861	4 280	5 860	5 240	4 540	3 650	3 390	1 860	1 340	---	1953
1954	1 520	903	595	630	3 660	7 710	7 400	6 270	5 450	4 930	---	---	---	1954
1955	---	---	---	---	---	6 140	6 780	5 560	4 160	3 540	---	---	---	1955
1956	---	---	---	---	---	6 020	5 690	4 530	3 780	---	---	---	---	1956
1957	---	---	---	---	5 390	6 240	5 660	5 940	5 040	3 880	---	---	---	1957
1958	---	---	---	---	---	---	5 580	4 130	3 530	3 550	---	---	---	1958
1959	---	---	---	---	3 640	6 090	6 160	4 630	4 570	3 770	2 360	2 000	---	1959
1960	1 940	1 040	717	937	3 730	6 740	7 350	5 740	5 230	4 580	2 970	1 990	3 590	1960
1961	2 140	2 250	1 970	1 910	4 280	6 930	5 740	4 370	3 740	3 510	1 780	1 590	3 360	1961
1962	1 290	1 030	752	1 210	4 700	6 990	7 720	6 670	5 600	4 680	2 800	1 810	3 790	1962
1963	2 160	2 140	1 950	1 480	5 480	7 250	6 560	5 450	4 580	4 010	2 460	1 660	3 780	1963
1964	1 650	1 140	951	1 020	4 680	7 730	7 450	7 290	5 720	5 280	3 730	2 170	4 080	1964
1965	2 050	2 100	1 510	1 680	5 130	7 110	7 650	5 820	5 010	4 620	2 980	2 130	4 000	1965
1966	2 170	1 980	1 630	2 180	4 910	6 550	6 610	5 750	5 120	4 060	2 260	2 170	3 790	1966
1967	2 000	1 690	1 190	901	4 170	7 800	6 890	5 490	4 330	4 170	2 620	1 670	3 590	1967
1968	1 600	1 370	1 030	1 510	3 720	4 780	4 370	3 640	3 030	2 750	1 930	1 380	2 600	1968
1969	1 260	979	907	1 790	4 950	4 560	3 770	3 250	3 500	3 170	1 720	1 540	2 630	1969
1970	1 370	1 240	1 300	1 990	3 720	4 640	4 070	3 450	2 920	2 820	2 020	1 460	2 590	1970
1971	1 440	1 410	1 350	1 600	4 400	4 910	5 640	4 260	3 570	3 340	1 840	1 720	2 970	1971
1972	1 800	1 380	1 350	1 620	5 020	6 300	6 390	5 580	4 270	3 840	2 400	2 040	3 510	1972
1973	2 380	2 600	2 450	2 820	5 250	5 880	5 730	5 100	4 450	4 060	2 810	1 970	3 800	1973
1974	2 060	1 990	1 920	2 250	7 420	6 950	6 700	6 110	5 350	4 950	3 820	2 340	4 340	1974
1975	2 310	2 360	2 390	2 610	4 560	5 000	4 910	3 680	3 970	3 570	2 370	2 270	3 340	1975
1976	2 030	2 130	2 360	3 310	4 810	5 090	5 870	5 870	4 900	4 300	3 380	2 590	3 890	1976
1977	2 870	2 860	2 440	2 730	4 960	6 050	5 730	5 030	4 080	4 130	3 280	2 390	3 890	1977
1978	2 680	2 760	2 710	2 300	4 120	5 320	4 090	3 490	3 710	3 870	2 990	2 190	3 350	1978
1979	2 380	2 510	2 300	1 910	4 240	6 440	6 110	4 330	3 760	3 340	3 170	2 530	3 590	1979
1980	1 980	2 100	1 950	1 970	2 900	3 900	3 450	3 020	3 270	3 510	2 770	1 800	2 720	1980
1981	1 650	1 680	1 600	2 300	4 570	4 440	3 170	3 040	2 610	2 740	1 930	1 960	2 650	1981
1982	1 620	2 150	1 450	1 580	3 960	4 340	4 250	4 070	3 660	3 360	2 300	2 250	2 920	1982
MEAN	1 920	1 770	1 570	1 790	4 540	6 090	5 830	4 900	4 230	3 850	2 560	1 950	3 420	MEAN

LOCATION - LAT 59 52 20 N DRAINAGE AREA, 606 000 km²
LONG 111 35 00 W REGULATED SINCE 1968

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	8 950 ON JUN 28	---	---	1921
1922	---	8 380 ON JUN 11	---	---	1922
1930	---	---	---	---	1930
1931	---	---	1 400B ON MAR 21	---	1931
1953	---	6 230 ON JUN 15	530B ON MAR 22 *	---	1953
1954	---	8 330 ON JUN 29	544B ON MAR 21	---	1954
1955	---	7 390 ON JUL 1	---	---	1955
1956	---	6 460 ON JUN 20	---	---	1956
1957	---	6 710 ON AUG 20	---	---	1957
1958	---	---	---	---	1958
1959	---	6 880A ON JUL 5	---	---	1959
1960	8 160 AT 06:00 MST ON JUL 8	8 100 ON JUL 8	544B ON MAR 30	114 000 000	1960
1961	7 480 AT 06:00 MST ON JUN 13	7 420 ON JUN 12	1 380B ON DEC 20	106 000 000	1961
1962	8 440 AT 20:00 MST ON JUL 5 *	8 380 ON JUL 5	566B ON APR 4	119 000 000	1962
1963	---	7 420A ON JUN 19	1 240B ON APR 21	119 000 000	1963
1964	---	8 670 ON JUN 19	663B ON APR 10	129 000 000	1964
1965	---	8 750 ON JUL 16	1 030B ON APR 16	126 000 000	1965
1966	---	7 140 ON JUN 18	1 420B ON APR 1	120 000 000	1966
1967	---	8 270 ON JUN 28	773B ON APR 7	113 000 000	1967
1968	---	5 640 ON JUN 20	994B ON APR 2	82 200 000	1968
1969	---	5 950 ON MAY 8	827B ON FEB 27	82 900 000	1969
1970	---	5 010 ON JUN 12	1 180B ON FEB 22	81 700 000	1970
1971	6 510 AT 11:30 MST ON JUL 19	6 510 ON JUL 18	1 330B ON MAR 5	93 600 000	1971
1972	7 820 AT 18:00 MST ON JUN 18	7 700 ON JUN 18	1 150B ON FEB 10	111 000 000	1972
1973	---	6 460 ON JUN 25	1 870B ON DEC 11	120 000 000	1973
1974	---	11 200B ON MAY 5 *	1 800B ON MAR 30	137 000 000	1974
1975	---	6 340E ON JUL 8	2 040B ON NOV 8	105 000 000	1975
1976	6 820 AT 18:30 MST ON AUG 24	6 770 ON AUG 25	1 860B ON JAN 14	123 000 000	1976
1977	---	6 880 ON JUN 17	1 970B ON APR 13	123 000 000	1977
1978	5 780 AT 11:10 MST ON JUN 14	5 750 ON JUN 14	1 950B ON DEC 31	106 000 000	1978
1979	---	7 310B ON MAY 20	1 730B ON APR 14	113 000 000	1979
1980	4 930 AT 18:09 MST ON JUN 13	4 870 ON JUN 13	1 440B ON DEC 16	86 000 000	1980
1981	---	5 540B ON MAY 9	1 090B ON JAN 28	83 400 000	1981
1982	6 250 AT 20:31 MST ON JUL 22	6 180 ON JUL 23	1 170B ON MAR 24	92 100 000	1982
MEAN				108 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	17.1	6.92	4.46	2.84	1.24	---	---	---	1932
1933	---	---	---	---	---	12.8	9.80	4.90	2.25	1.38	---	---	---	1933
MEAN	---	---	---	---	---	15.0	8.36	4.68	2.55	1.31	---	---	---	MEAN

LOCATION - LAT 50 41 07 N DRAINAGE AREA, 131 km²
LONG 115 08 47 W NATURAL FLOW

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	34.88 ON JUN 2 *	---	---	1932
1933	---	28.1 ON JUN 16	---	---	1933
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	134	177	160	160	112	49.6	33.4	16.9	---	1968
1969	14.8	13.5	14.1	30.4	128	250	152	190	98.7	62.4	33.2	11.4	83.6	1969
1970	11.3	13.1	11.0	15.1	74.1	303	166	107	50.5	37.0	16.5	11.3	68.2	1970
1971	10.6	15.0	12.5	18.3	149	306	246	148	84.0	65.3	31.5	21.1	92.7	1971
1972	13.9	11.7	12.0	18.1	168	442	195	148	---	---	26.2	18.6	---	1972
1973	14.8	11.4	11.8	13.7	128	248	170	110	70.2	62.5	22.7	21.7	73.8	1973
1974	14.1	11.6	11.1	17.2	82.2	308	224	129	80.7	69.6	27.6	21.6	83.3	1974
1975	15.7	10.9	10.2	12.8	64.4	195	259	102	66.4	39.7	37.1	19.4	69.8	1975
1976	12.5	13.5	12.0	28.6	140	184	228	199	115	52.0	25.1	21.4	86.3	1976
1977	15.3	13.4	10.3	27.3	112	259	231	158	74.3	42.3	22.8	19.7	82.6	1977
1978	13.8	10.2	11.9	19.8	72.6	222	213	107	91.9	67.9	35.4	21.8	74.2	1978
1979	14.7	11.0	12.4	13.1	79.2	268	239	121	67.3	37.7	14.9	10.1	74.4	1979
1980	10.0	9.33	9.07	34.1	136	257	153	114	85.6	60.8	26.8	31.6	77.4	1980
1981	24.2	12.7	13.8	19.4	168	157	191	139	69.0	28.5	25.1	11.8	72.2	1981
1982	11.4	11.1	9.07	12.9	88.2	352	301	177	128	56.9	23.2	15.4	99.2	1982
MEAN	14.1	12.0	11.5	19.8	115	262	209	141	85.3	52.3	26.8	18.3	79.8	MEAN

LOCATION - LAT 53 56 46 N DRAINAGE AREA, 3 840 km²
LONG 119 09 40 W NATURAL FLOW

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	294 AT 08:40 MST ON MAY 21	286 ON MAY 21	---	---	1968
1969	498 AT 21:58 MST ON AUG 5	399 ON JUN 4	8.50B ON DEC 10	2 640 000	1969
1970	552 AT 05:20 MST ON JUN 4	527 ON JUN 4	8.35B ON JAN 15	2 150 000	1970
1971	544E ON JUN 8	515 ON JUN 9	9.43B ON JAN 16	2 920 000	1971
1972	1 380 AT 16:00 MST ON JUN 12 *	1 230 ON JUN 12 *	10.4 B ON MAR 4	---	1972
1973	575 AT 13:00 MST ON JUN 24	547 ON JUN 24	10.8 B ON FEB 17	2 330 000	1973
1974	566 AT 05:30 MST ON JUN 17	532 ON JUN 16	10.5 B ON MAR 17	2 630 000	1974
1975	433 AT 16:30 MST ON JUL 16	396 ON JUL 6	9.20B ON FEB 26	2 200 000	1975
1976	385 AT 04:00 MST ON JUN 20	365 ON JUL 1	9.00B ON MAR 24	2 730 000	1976
1977	515 AT 07:30 MST ON JUN 8	484 ON JUN 8	8.55B ON MAR 22	2 600 000	1977
1978	459 AT 13:10 MST ON JUL 11	399 ON JUL 11	9.29B ON FEB 9	2 340 000	1978
1979	424 AT 06:50 MST ON JUN 4	409 ON JUN 5	8.10B ON DEC 24	2 350 000	1979
1980	520 AT 16:10 MST ON JUN 4	446 ON JUN 4	5.79B ON MAR 5 *	2 450 000	1980
1981	426 AT 13:00 MST ON MAY 26	402 ON MAY 26	9.30B ON DEC 17	2 280 000	1981
1982	558 AT 06:45 MST ON JUN 15	513 ON JUN 15	6.19B ON FEB 24	3 130 000	1982
				2 520 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	873	1 360	464	241	213	93.0	46.3	---	1915
1916	33.3	48.2	52.6	197	444	785	926	342	242	220	132	57.4	291	1916
1917	43.3	36.9	31.8	279	1 510	1 260	567	286	167	191	106	57.4	380	1917
1918	90.7	57.0	41.7	311	561	1 120	1 050	436	239	149	79.5	59.8	351	1918
1919	41.7	23.3	23.5	186	311	1 130	607	414	455	197	87.1	71.6	296	1919
1920	66.8	47.6	43.1	130	1 890	1 680	1 070	568	406	424	149	67.5	548	1920
1921	57.5	45.7	72.9	491	1 060	1 070	526	405	301	294	---	---	---	1921
1922	---	---	---	---	---	724	357	261	182	---	---	---	---	1922
1955	---	---	---	---	590	1 550	939	462	158	96.0	51.9	37.8	---	1955
1956	29.4	27.6	28.1	556	690	989	368	339	206	168	120	52.1	297	1956
1957	35.1	24.0	29.7	363	1 030	653	597	841	335	309	305	142	392	1957
1958	158	48.2	38.9	418	902	846	542	176	154	194	77.7	43.4	301	1958
1959	35.8	29.2	37.6	170	605	994	574	305	447	295	220	127	321	1959
1960	59.7	43.0	84.6	341	859	1 660	927	305	143	138	79.0	68.9	393	1960
1961	46.7	30.1	34.4	86.5	482	642	450	204	171	286	144	40.2	219	1961
1962	31.1	47.7	21.9	566	1 000	940	834	420	340	181	136	64.3	383	1962
1963	61.8	54.2	68.5	721	1 250	988	475	266	227	170	89.9	63.4	370	1963
1964	45.8	49.3	36.2	184	890	1 490	1 050	1 200	653	475	143	77.1	526	1964
1965	63.7	52.9	64.7	833	1 200	1 440	1 660	540	511	418	170	63.8	587	1965
1966	60.3	52.4	58.8	660	1 250	871	691	645	376	216	117	74.9	425	1966
1967	64.9	58.8	49.1	155	1 280	1 750	593	317	164	129	66.8	47.9	391	1967
1968	50.5	57.9	84.6	152	727	1 140	683	480	279	165	108	45.7	331	1968
1969	36.1	31.2	31.6	469	696	605	339	368	464	240	89.0	68.6	287	1969
1970	38.5	35.5	48.6	373	528	770	344	223	133	112	46.0	37.2	224	1970
1971	31.1	31.5	29.4	331	683	1 470	1 450	344	224	315	129	72.9	428	1971
1972	50.7	38.2	66.5	476	1 140	1 840	572	366	196	411	159	94.1	450	1972
1973	86.4	67.0	55.8	523	995	905	464	297	197	276	149	92.0	343	1973
1974	59.6	54.9	46.8	900	1 550	1 030	598	298	217	242	71.5	45.2	428	1974
1975	46.5	33.1	32.5	156	500	777	807	252	172	111	127	54.7	257	1975
1976	50.3	52.0	41.3	554	890	915	807	1 100	493	219	101	66.1	442	1976
1977	68.6	65.1	54.3	526	1 220	1 100	889	525	348	389	101	76.1	449	1977
1978	46.8	42.3	58.7	213	549	874	605	297	460	275	182	75.9	307	1978
1979	45.8	38.9	52.1	259	1 060	1 330	861	267	152	115	43.6	24.7	355	1979
1980	28.0	25.5	28.8	259	576	1 400	624	315	384	256	114	86.7	341	1980
1981	79.6	83.8	87.2	355	837	690	431	331	136	80.7	91.4	28.8	270	1981
1982	22.9	28.9	37.7	108	881	992	1 470	1 030	452	223	84.6	57.8	453	1982
MEAN	53.5	44.3	47.7	373	901	1 090	753	436	290	234	117	64.4	370	MEAN

LOCATION - LAT 55 42 56 N LONG 117 37 19 W DRAINAGE AREA, 50 200 km² NATURAL FLOW

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	2 780 ON JUL 5	29.2B ON JAN 26	9 190 000	1916
1917	---	2 620 ON MAY 22	29.2B ON FEB 19	12 000 000	1917
1918	---	1 720 ON JUL 14	37.4B ON MAR 5	11 100 000	1918
1919	---	2 920 ON JUN 12	19.0B ON FEB 8	9 350 000	1919
1920	---	3 110B ON MAY 9	32.6B ON MAR 22	17 300 000	1920
1921	---	1 580 ON JUN 8	---	---	1921
1922	---	---	---	---	1922
1955	4 620 AT 12:00 MST ON JUN 2	4 500 ON JUN 2	---	---	1955
1956	2 190 AT 07:00 MST ON JUN 13	2 150 ON JUN 13	14.0B ON DEC 12 *	9 410 000	1956
1957	1 920 AT 06:00 MST ON AUG 13	1 850 ON AUG 13	20.2B ON FEB 2	12 300 000	1957
1958	2 570 AT 02:00 MST ON JUN 30	2 300 ON JUN 30	29.4B ON DEC 10	9 490 000	1958
1959	1 950 AT 11:00 MST ON JUN 28	1 850 ON JUN 28	24.3B ON FEB 13	10 100 000	1959
1960	5 040 AT 02:00 MST ON JUN 23	4 420 ON JUN 23	30.6B ON FEB 9	12 400 000	1960
1961	1 420 AT 19:00 MST ON JUL 2	1 280 ON JUL 3	20.6B ON DEC 26	6 900 000	1961
1962	2 460 AT 05:00 MST ON JUL 20	2 250 ON JUL 20	17.3B ON MAR 8	12 100 000	1962
1963	---	2 010 ON APR 29	34.8B ON DEC 28	11 700 000	1963
1964	3 260 AT 21:00 MST ON AUG 3	3 060 ON AUG 4	29.7B ON MAR 24	16 600 000	1964
1965	5 520 AT 14:00 MST ON JUL 10	5 210 ON JUL 10	37.9B ON DEC 31	18 500 000	1965
1966	2 440 AT 17:00 MST ON MAY 12	2 300 ON MAY 12	33.1B ON FEB 15	13 400 000	1966
1967	---	2 200A ON JUN 3	33.7B ON DEC 27	12 300 000	1967
1968	2 440 AT 14:15 MST ON JUN 14	2 370 ON JUN 14	38.8B ON JAN 16	10 500 000	1968
1969	1 130 AT 14:00 MST ON APR 30	1 100 ON APR 30	25.1B ON JAN 29	9 050 000	1969
1970	1 550 AT 14:00 MST ON JUN 5	1 460 ON JUN 5	28.6B ON MAR 9	7 090 000	1970
1971	4 700 AT 05:00 MST ON JUL 13	4 450 ON JUL 13	26.9B ON JAN 27	13 500 000	1971
1972	9 200 AT 05:00 MST ON JUN 14 *	8 180 ON JUN 14 *	29.4B ON MAR 6	14 200 000	1972
1973	1 460 AT 11:30 MST ON MAY 18	1 380 ON MAY 18	46.4B ON MAR 24	10 800 000	1973
1974	2 740A AT 01:00 MST ON APR 27	2 690A ON APR 27	33.4B ON NOV 27	13 500 000	1974
1975	---	1 710A ON JUN 30	28.9B ON APR 1	8 100 000	1975
1976	2 720 AT 20:00 MST ON AUG 18	2 450 ON AUG 18	36.2B ON MAR 14	14 000 000	1976
1977	2 630A AT 10:30 MST ON MAY 7	2 460A ON MAY 7	40.8B ON MAR 27	14 200 000	1977
1978	1 830A AT 02:00 MST ON JUN 17	1 780A ON JUN 17	41.1B ON FEB 20	9 690 000	1978
1979	2 610 AT 20:30 MST ON JUN 15	2 390 ON JUN 15	19.3B ON DEC 2	11 200 000	1979
1980	3 720 AT 01:30 MST ON JUN 6	3 400 ON JUN 6	23.4B ON FEB 7	10 800 000	1980
1981	1 400 AT 19:30 MST ON MAY 27	1 350 ON MAY 28	19.7B ON DEC 31	8 520 000	1981
1982	9 020 AT 23:30 MST ON JUL 16	6 630A ON JUL 17	18.0B ON JAN 4	14 300 000	1982
MEAN				11 700 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0	---	---	---	1980
1981	---	---	0.055	0.026	0.135	0.005	0	0	0	0	---	---	0.028	1981
1982	---	---	0.045	0.151	0.002	0.010	0.049	0.003	0	0	---	---	0.032	1982
MEAN	---	---	0.050	0.089	0.069	0.008	0.025	0.002	0	0	---	---	0.030	MEAN

LOCATION - LAT 50 28 20 N DRAINAGE AREA, 350 km²
LONG 112 54 46 W NATURAL FLOW

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0A ON SEP 18 *	---	1980
1981	0.580 AT 13:10 MST ON MAY 18	0.552 ON MAY 18	0 ON JUN 22	591	1981
1982	1.14 AT 06:33 MST ON JUN 28 *	0.807 ON APR 12 *	0B ON MAR 1	684	1982
				638	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	49.4	139	103	46.3	26.6	17.4	---	---	63.3	1971
1972	---	---	---	---	51.8	210	74.6	45.1	22.0	---	---	---	---	1972
1973	---	---	---	---	44.1	99.7	59.9	35.8	21.5	---	---	---	---	1973
1974	---	---	---	---	---	---	---	45.5	20.8	13.2	---	---	---	1974
1975	---	---	---	---	18.7	52.7	73.5	27.9	17.5	11.6	---	---	33.6	1975
1976	---	---	---	---	34.1	53.9	77.8	65.5	---	---	---	---	---	1976
1977	---	---	---	---	29.4	84.1	70.9	54.0	24.8	15.6	---	---	46.4	1977
1978	---	---	---	---	24.0	84.4	81.5	38.3	42.8	22.8	---	---	48.8	1978
1979	---	---	---	---	25.5	78.2	66.6	36.2	21.2	14.1	---	---	40.2	1979
1980	---	---	---	---	38.6	103	51.9	41.3	30.6	21.2	---	---	47.5	1980
1981	---	---	---	---	51.4	50.5	49.9	40.6	25.5	10.9	---	---	38.1	1981
1982	---	---	---	---	22.0	111	84.5	46.0	36.6	23.7	---	---	53.8	1982
MEAN	---	---	---	---	35.4	97.0	72.2	43.5	26.4	16.7	---	---	46.5	MEAN

LOCATION - LAT 53 09 28 N DRAINAGE AREA, 1 580 km²
LONG 118 01 58 W NATURAL FLOW

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	323 ON JUN 9	8.50B ON OCT 28	1 010 000	1971
1972	564 AT 17:30 MST ON JUN 12 *	532 ON JUN 12 *	---	---	1972
1973	---	227E ON JUN 24	---	---	1973
1974	---	---	---	---	1974
1975	125 AT 03:30 MST ON JUL 10	119 ON JUL 10	7.79B ON MAY 1 *	535 000	1975
1976	123 AT 21:00 MST ON JUL 1	118 ON JUL 1	---	---	1976
1977	167 AT 09:00 MST ON JUN 8	161 ON JUN 8	11.0 E ON MAY 1	738 000	1977
1978	326 AT 01:30 MST ON JUL 12	269 ON JUL 12	13.3 ON MAY 7	776 000	1978
1979	163 AT 10:00 MST ON JUN 5	158 ON JUN 5	10.3 ON OCT 31	639 000	1979
1980	170 AT 12:10 MST ON JUN 17	162 ON JUN 17	13.0 ON OCT 31	755 000	1980
1981	134 AT 03:40 MST ON MAY 27	128 ON MAY 26	9.00E ON OCT 31	607 000	1981
1982	172 AT 18:55 MST ON JUN 28	165 ON JUN 22	8.70E ON MAY 6	854 000	1982
				739 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.001	0	0	---	---	---	---	---	---	1966
1967	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	1967
MEAN	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 50 12 36 N DRAINAGE AREA, .04 km²
LONG 114 32 40 W NATURAL FLOW

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0.005 ON MAY 20	0E ON MAY 1 *	---	1966
1967	0.024 AT 14:00 MST ON JUN 17 *	0.011 ON MAY 30 *	0E ON MAY 1	---	1967
				---	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.020	0	0	0	0.018	0.105	0.164	0.001	---	---	0.038	1968
1970	---	---	0.063	1.63	---	0.064	0.098	0	0.001	0.002	---	---	---	1970
1971	---	---	0	2.03	0.180	0.001	0	0	0	0	---	---	0.272	1971
1972	---	---	0.042	0.099	0.003	0	0.016	0.001	0	0	---	---	0.020	1972
1973	---	---	0.073	0.205	0.011	0.888	0.045	0.075	0.005	0.005	---	---	0.161	1973
1974	---	---	0	4.42	2.49	0.854	0.099	0	0	0	---	---	0.973	1974
1975	---	---	0	0.534	---	0.189	0.008	0	0	0	---	---	---	1975
1976	---	---	0.281	---	0.009	0	0.008	0	0	0	---	---	---	1976
1977	---	---	0	0	0.004	0	0	0	0.006	0.026	---	---	0.005	1977
1978	---	---	0.063	0.104	0.004	0.006	0.005	0	0	0	---	---	0.023	1978
1979	---	---	0.243	0.007	0	0	0	0.013	0	0	---	---	0.033	1979
1980	---	---	0	0.050	0	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0.041	0	0	0	0.011	0	0	0	---	---	0.007	1981
1982	---	---	0.006	0.187	0.002	0.012	0.004	0.001	0	0.001	---	---	0.026	1982
MEAN	---	---	0.059	0.713	0.225	0.144	0.022	0.014	0.013	0.003	---	---	0.142	MEAN

LOCATION - LAT 51 33 55 N DRAINAGE AREA, 3 000 km^2
LONG 110 28 25 W REGULATED

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.00 ON SEP 21	0B ON MAR 29 *	811	1968
1970	---	9.71 B ON APR 9	0B ON MAR 1	---	1970
1971	---	7.39 A ON APR 17	0B ON MAR 1	5 750	1971
1972	---	0.481B ON MAR 24	0B ON MAR 1	424	1972
1973	10.2 AT 23:00 MST ON JUN 15 *	7.82 ON JUN 16	0B ON MAR 1	3 410	1973
1974	---	20.1 B ON APR 19 *	0B ON MAR 1	20 500	1974
1975	---	1.84 B ON APR 23	0 ON MAR 1	---	1975
1976	---	---	0B ON MAR 1	---	1976
1977	---	0.091A ON OCT 2	0 ON MAR 1	96.8	1977
1978	---	0.663E ON APR 25	0B ON MAR 1	480	1978
1979	---	1.27 B ON MAR 16	0B ON MAR 1	705	1979
1980	0.588 AT 09:00 MST ON APR 4	0.448 ON APR 4	0B ON MAR 1	131	1980
1981	---	0.165B ON MAR 13	0B ON MAR 1	140	1981
1982	---	1.31 B ON APR 13	0B ON MAR 1	556	1982
				3 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07OA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	0.063	0.028	0.095	---	---	---	1970
1971	---	---	0	1.55	3.28	0.759	0.417	0.099	0.036	0.235	---	---	0.797	1971
1972	---	---	0	0.222	16.4	2.60	0.501	0.068	0.005	0.006	---	---	2.49	1972
1973	---	---	0	1.04	3.97	3.83	3.83	7.09	3.69	2.25	---	---	3.22	1973
1974	---	---	0.002	9.61	15.2	5.62	2.60	1.14	0.553	0.279	---	---	4.37	1974
1975	---	---	0	1.09	4.21	2.72	1.45	0.210	0.268	0.160	---	---	1.26	1975
1976	---	---	0	1.97	2.06	7.57	5.32	9.80	6.01	2.60	---	---	4.41	1976
1977	---	---	0.027	4.05	6.90	28.1	4.11	0.585	0.050	0.014	---	---	5.42	1977
1978	---	---	0	0.075	3.26	4.40	0.782	0.168	1.79	1.51	---	---	1.49	1978
1979	---	---	0	0.259	17.7	16.8	3.35	0.673	0.392	0.228	---	---	4.91	1979
1980	---	---	0.001	0.333	0.138	0.119	0.267	0.023	0.014	0.018	---	---	0.113	1980
1981	---	---	0	1.49	10.5	1.06	0.089	0.006	0.003	0.008	---	---	1.66	1981
1982	---	---	0	0.070	3.43	0.458	0.012	0.014	0.011	0.020	---	---	0.506	1982
MEAN	---	---	0.003	1.81	7.25	6.17	1.89	1.53	0.988	0.571	---	---	2.55	MEAN

LOCATION - LAT 58 36 00 N DRAINAGE AREA, 819 km^2
LONG 118 29 00 W NATURAL FLOW

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07OA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	8.50 E ON APR 27	0 B ON MAR 1 *	16 900	1971
1972	34.5 AT 24:00 MST ON MAY 12	34.5 ON MAY 13	0 B ON MAR 1	52 800	1972
1973	15.1 AT 14:00 MST ON AUG 22	15.0 ON AUG 22	0 B ON MAR 1	68 100	1973
1974	36.0 AT 24:00 MST ON APR 29	35.7 ON APR 29	0 B ON MAR 1	92 500	1974
1975	6.60 AT 02:00 MST ON MAY 3	6.48 ON MAY 3	0 B ON MAR 1	26 800	1975
1976	24.1 A ON AUG 20	22.7 A ON AUG 20	0 B ON MAR 1	93 300	1976
1977	78.7 AT 03:30 MST ON JUN 12 *	71.4 ON JUN 12 *	0.012 ON OCT 18	115 000	1977
1978	9.49 AT 18:30 MST ON MAY 30	9.46 ON MAY 30	0 B ON MAR 1	31 600	1978
1979	51.7 AT 12:00 MST ON MAY 31	50.7 ON MAY 31	0 B ON MAR 1	104 000	1979
1980	1.40 AT 12:30 MST ON APR 18	0.945E ON JUL 25	0 B ON MAR 1	2 400	1980
1981	26.3 AT 22:00 MST ON MAY 4	25.0 ON MAY 5	0 B ON MAR 1	35 100	1981
1982	---	8.05 E ON MAY 7	0 B ON MAR 1	10 700	1982
				54 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	2.14	1.19	0.595	0.184	0.317	0.438	---	---	---	1961
1962	---	---	1.08	3.53	1.70	1.18	0.540	0.264	0.232	0.266	---	---	1.09	1962
1963	---	1.30	0.570	0.730	0.930	1.49	0.690	0.157	0.142	0.143	---	---	0.605	1963
1964	---	---	0.189	1.32	3.17	9.37	1.56	0.585	0.665	0.492	---	---	2.15	1964
1965	---	---	0.499	3.87	3.83	3.40	1.51	0.653	0.812	0.473	---	---	1.87	1965
1966	---	---	1.34	1.98	1.83	3.03	1.25	0.487	0.272	0.438	---	---	1.32	1966
1967	---	---	0.599	1.37	6.76	6.01	1.74	0.657	0.309	0.489	---	---	2.24	1967
1968	---	---	0.948	1.02	1.95	2.09	0.833	0.650	0.787	0.618	---	---	1.11	1968
1969	---	---	0.472	4.34	1.75	2.80	1.27	0.382	0.265	0.469	---	---	1.46	1969
1970	---	---	0.290	1.06	5.41	3.43	1.17	0.515	0.419	0.428	---	---	1.59	1970
1971	---	---	0.343	2.91	4.75	3.29	1.32	0.502	0.440	0.512	---	---	1.75	1971
1972	---	---	3.84	3.17	5.47	5.25	2.17	1.14	0.709	0.680	---	---	2.80	1972
1973	---	---	0.751	1.12	1.15	0.712	0.179	0.051	0.116	0.157	---	---	0.529	1973
1974	---	---	0.807	2.69	2.84	2.41	1.17	0.639	0.386	0.367	---	---	1.41	1974
1975	---	---	0.278	1.13	5.45	13.2	2.74	1.12	0.616	0.933	---	---	3.16	1975
1976	---	---	0.791	2.82	2.64	1.62	0.748	0.554	0.216	0.240	---	---	1.20	1976
1977	---	---	0.188	0.648	0.288	0.025	0	0.016	0.092	0.163	---	---	0.177	1977
1978	---	---	1.75	1.71	2.66	1.97	1.36	0.703	1.00	0.535	---	---	1.46	1978
1979	---	---	1.54	2.35	4.09	2.07	0.838	0.418	0.151	0.200	---	---	1.46	1979
1980	---	---	0.300	2.64	1.81	1.65	0.429	0.504	0.440	0.427	---	---	1.02	1980
1981	---	---	0.610	0.878	2.93	1.94	0.907	0.367	0.171	0.317	---	---	1.02	1981
1982	---	---	0.468	2.32	2.43	2.15	0.892	0.320	0.270	0.372	---	---	1.15	1982
MEAN	---	1.30	0.841	2.08	3.00	3.19	1.09	0.494	0.401	0.416	---	---	1.46	MEAN

LOCATION - LAT 48 45 20 N LONG 113 10 00 W DRAINAGE AREA, 181 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	3.68 ON MAY 18	3.37 ON MAY 17	---	---	1961
1962	10.3 ON APR 14	7.36 ON APR 4	0.139 ON AUG 19	23 100	1962
1963	---	4.22 ON JUN 6	0.048 ON SEP 9	12 800	1963
1964	340 AT 13:00 MDT ON JUN 8 *	140 ON JUN 8	0.057B ON MAR 24	45 500	1964
1965	9.06 AT 06:00 MDT ON MAY 26	7.65 ON APR 29	0.227B ON MAR 27	39 600	1965
1966	15.2 AT 15:45 MDT ON JUN 4	12.1 ON JUN 4	0.142B ON MAR 3	28 000	1966
1967	29.4 AT 23:30 MDT ON MAY 8	17.3 ON MAY 30	0.198B ON MAR 9	47 400	1967
1968	9.40 AT 22:45 MDT ON JUN 7	6.88 ON MAY 23	0.278 ON SEP 17	23 500	1968
1969	11.2 AT 00:15 MDT ON APR 7	9.51 ON JUN 26	0.127B ON MAR 10	30 800	1969
1970	22.7 AT 20:00 MDT ON JUN 13	14.8 ON MAY 7	0.212B ON MAR 2	33 700	1970
1971	8.81 AT 16:15 MST ON MAY 6	8.64 ON MAY 6	0.170 ON MAR 23	37 100	1971
1972	30.0 AT 09:30 MST ON JUN 9	15.1 B ON MAR 16	0.311B ON MAR 4	59 200	1972
1973	1.87 AT 08:00 MST ON APR 12	1.70 ON APR 12	0 ON AUG 23 *	11 200	1973
1974	6.26 AT 07:15 MST ON MAY 1	5.72 ON MAY 1	0.142B ON MAR 8	29 800	1974
1975	283 AT 02:30 MST ON JUN 20	158 ON JUN 20 *	0.201B ON APR 8	66 800	1975
1976	7.48B AT 02:00 MST ON APR 8	5.75 ON APR 9	0.164 ON SEP 6	25 400	1976
1977	2.55B AT 17:15 MST ON APR 8	1.87B ON APR 9	0 ON JUN 28	3 740	1977
1978	13.4 AT 00:45 MST ON MAR 30	8.13 ON MAR 30	0.116B ON MAR 4	30 900	1978
1979	7.82 AT 15:00 MDT ON MAY 6	6.80 ON MAY 6	0.099 ON SEP 29	30 800	1979
1980	12.0 B AT 00:45 MST ON APR 15	11.4 B ON APR 15	0.147 ON AUG 2	21 600	1980
1981	12.3 AT 02:15 MDT ON MAY 16	8.83 ON MAY 16	0.079 ON SEP 20	21 500	1981
1982	11.1 AT 23:45 MDT ON APR 22	8.47 ON APR 23	0.091 ON SEP 10	24 300	1982
				30 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	22.7	22.5	15.0	10.3	11.5	6.74	---	---	---	1921
1922	---	---	---	---	41.8	11.2	3.22	0.784	0.837	0.719	---	---	---	1922
1923	---	---	0.027	6.79	12.0	6.59	15.0	4.17	1.34	0.537	---	---	5.82	1923
1924	---	---	---	1.39	7.90	3.34	4.86	9.93	13.0	9.12	---	---	---	1924
1925	---	---	---	31.9	17.9	13.5	4.38	4.18	4.64	3.93	---	---	---	1925
1926	---	---	0.492	19.9	20.7	31.6	6.97	3.41	12.9	8.79	---	---	13.0	1926
1927	---	---	---	15.9	36.4	40.9	52.8	12.6	4.18	4.05	---	---	---	1927
1928	---	---	0.358	11.8	21.9	10.0	6.05	1.94	1.69	1.91	---	---	6.94	1928
1929	---	---	---	11.1	20.6	13.1	17.2	18.8	10.2	11.9	---	---	---	1929
1930	---	---	---	22.3	30.4	68.7	21.3	3.92	2.20	1.27	---	---	---	1930
MEAN	---	---	0.292	15.1	23.2	22.1	14.7	7.00	6.25	4.90	---	---	8.59	MEAN

LOCATION - LAT 55 32 05 N DRAINAGE AREA, 4 240 km²
LONG 116 28 58 W NATURAL FLOW

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	53.5 ON JUN 1	---	---	1921
1922	---	59.7 ON MAY 13	---	---	1922
1923	---	36.5 ON JUL 10	0 B ON MAR 7 *	123 000	1923
1924	---	35.4 ON SEP 2	0 B ON APR 1	---	1924
1925	---	55.5 ON APR 20	---	---	1925
1926	---	59.2 ON JUN 13	0.425B ON MAR 8	275 000	1926
1927	---	59.2 ON JUN 26	---	---	1927
1928	---	52.4 ON APR 28	0 B ON MAR 1	147 000	1928
1929	---	56.1 ON JUL 25	---	---	1929
1930	---	85.0E ON JUN 14 *	---	---	1930
MEAN				182 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	368	690	386	151	128	103	104	92.6	---	1966
1967	80.5	94.2	143	287	628	1 240	459	127	82.4	69.8	93.9	62.2	280	1967
1968	90.1	85.0	147	94.7	158	515	218	128	176	204	151	75.7	170	1968
1969	93.6	87.4	141	338	428	570	702	150	78.8	85.8	86.7	61.3	236	1969
1970	62.8	74.3	92.5	138	313	632	261	96.7	48.3	80.2	98.4	74.0	164	1970
1971	69.5	107	94.4	223	414	696	220	123	57.7	67.5	98.1	50.7	185	1971
1972	57.4	58.7	242	226	514	887	424	253	157	143	125	66.2	263	1972
1973	80.5	92.1	144	128	243	409	217	75.6	61.2	58.9	63.4	85.9	138	1973
1974	69.4	90.4	105	223	477	828	378	174	110	73.0	78.6	66.1	223	1974
1975	69.8	60.6	88.5	157	459	916	467	125	121	121	88.5	98.8	231	1975
1976	118	121	135	157	354	259	225	343	161	93.5	71.4	62.8	175	1976
1977	71.5	93.9	90.3	74.8	59.0	101	48.7	74.6	67.5	61.6	49.9	52.1	70.1	1977
1978	46.8	65.7	157	175	346	562	302	159	220	174	94.0	100	201	1978
1979	60.1	68.7	177	165	373	334	93.9	54.6	40.9	44.8	54.3	38.6	126	1979
1980	42.5	58.6	77.0	171	300	557	105	74.9	58.4	113	119	78.6	146	1980
1981	119	126	126	126	591	654	370	245	89.7	43.3	84.8	49.7	219	1981
1982	49.3	54.3	66.0	123	167	448	304	76.1	51.7	87.7	77.0	69.1	131	1982
MEAN	73.8	83.6	127	175	364	606	305	143	101	95.5	90.5	69.7	185	MEAN

LOCATION - LAT 50 44 15 N DRAINAGE AREA, 66 000 km²
LONG 110 05 45 W REGULATED

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1 190 AT 12:00 MST ON JUN 8	1 150 ON JUN 8	---	---	1966
1967	2 130 AT 15:00 MST ON JUN 3	2 010 ON JUN 3	32.0B ON DEC 19	8 840 000	1967
1968	---	773 ON JUN 12	43.0B ON FEB 3	5 380 000	1968
1969	---	1 880A ON JUL 2	49.0B ON MAR 17	7 450 000	1969
1970	1 430 AT 12:58 MST ON JUN 18	1 340 ON JUN 18	32.3B ON NOV 29	5 180 000	1970
1971	1 220 AT 04:10 MST ON JUN 10	1 200 ON JUN 10	24.4B ON NOV 10	5 840 000	1971
1972	1 260 AT 11:40 MST ON JUN 5	1 260 ON JUN 5	30.9B ON DEC 8	8 310 000	1972
1973	532 AT 03:25 MST ON MAY 31	532 ON MAY 31	19.8B ON NOV 9	4 360 000	1973
1974	1 280 AT 05:00 MST ON JUN 21	1 230 ON JUN 21	38.2B ON DEC 26	7 030 000	1974
1975	3 000 AT 19:00 MST ON JUN 23 *	2 690 ON JUN 23 *	30.6B ON DEC 7	7 290 000	1975
1976	725 AT 18:00 MST ON AUG 9	680 ON AUG 12	30.9B ON NOV 25	5 550 000	1976
1977	202 AT 13:00 MST ON JUN 15	195 ON JUN 15	16.1 ON MAY 3 *	2 210 000	1977
1978	830 AT 23:00 MST ON JUN 12	816 ON JUN 12	38.8B ON NOV 18	6 330 000	1978
1979	701 AT 16:25 MST ON MAY 31	695 ON MAY 31	19.8B ON DEC 3	3 960 000	1979
1980	1 080 AT 03:50 MST ON MAY 30	1 030 ON MAY 30	30.1B ON JAN 14	4 610 000	1980
1981	1 650 AT 11:40 MST ON MAY 29	1 630 ON MAY 29	22.0B ON DEC 1	6 920 000	1981
1982	---	637E ON JUN 22	32.0B ON JAN 2	4 140 000	1982
MEAN				5 840 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1911	---	---	---	---	---	932	731	---	---	---	120	70.8	---	1911
1912	47.1	60.4	---	---	---	541	609	376	246	172	144	67.3	---	1912
1913	46.8	57.0	58.4	254	351	842	479	347	215	166	132	88.3	254	1913
1914	72.1	44.6	114	163	416	562	400	187	127	215	157	63.8	211	1914
1915	65.3	56.1	175	151	548	914	935	523	250	201	128	67.3	337	1915
1916	46.5	149	171	208	335	1 310	1 070	439	380	213	158	94.8	381	1916
1917	64.0	60.6	57.5	180	600	1 210	571	218	147	140	90.2	31.1	281	1917
1918	86.8	67.1	143	145	292	597	258	188	128	104	69.2	56.4	178	1918
1919	57.1	48.1	47.3	135	354	410	186	227	101	59.9	55.2	55.1	145	1919
1920	47.6	58.5	126	241	532	571	658	247	96.3	111	79.5	60.0	236	1920
1921	56.6	59.8	74.7	158	421	650	299	147	59.8	71.0	70.1	59.8	178	1921
1922	53.8	39.7	49.7	131	373	622	268	140	90.9	68.2	59.8	40.7	162	1922
1923	46.8	36.1	57.5	108	292	1 510	573	263	151	119	79.9	51.0	273	1923
1924	41.7	62.8	66.6	96.4	307	547	323	273	112	78.8	79.4	60.9	171	1924
1925	66.7	66.2	174	327	473	622	300	183	132	194	110	87.0	228	1925
1926	54.0	55.2	91.7	136	156	207	208	82.7	373	304	144	98.7	159	1926
1927	77.3	72.0	124	198	529	1 250	665	400	442	255	161	102	357	1927
1928	197	110	248	175	521	789	773	233	152	171	111	53.9	295	1928
1929	54.5	52.8	119	90.6	389	922	178	74.8	43.8	25.4	48.4	56.2	171	1929
1930	42.3	113	113	212	353	533	327	106	52.0	74.3	56.2	66.8	171	1930
1931	52.1	48.9	55.5	75.2	146	298	159	62.8	66.8	---	---	---	---	1931
1932	---	---	---	151	420	887	269	124	124	85.1	80.2	60.4	---	1932
1933	52.7	46.8	67.3	164	410	666	315	86.0	73.0	72.3	152	---	---	1933
1935	---	---	81.6	166	260	498	284	145	47.9	49.4	55.7	44.3	---	1935
1936	45.8	46.1	111	207	296	369	73.8	47.0	23.4	18.1	36.1	26.7	108	1936
1937	30.2	33.6	69.2	123	154	530	174	101	39.9	53.3	86.3	61.8	121	1937
1938	58.7	44.9	94.2	207	452	676	362	127	95.0	90.0	67.4	52.1	194	1938
1939	41.5	41.8	88.3	136	218	454	268	79.7	51.6	52.5	74.0	52.8	130	1939
1940	42.7	45.2	97.5	176	345	273	131	87.1	128	120	77.2	59.6	132	1940
1941	44.5	45.7	110	127	116	215	98.5	58.4	83.6	110	83.6	66.1	96.6	1941
1942	53.0	47.9	65.6	138	564	892	570	284	193	159	81.7	73.5	261	1942
1943	67.5	77.8	123	388	312	505	427	127	49.0	39.4	58.2	61.7	187	1943
1944	60.5	52.9	60.3	97.0	73.2	229	116	101	56.7	46.7	56.8	59.3	84.0	1944
1945	56.1	50.6	87.9	84.4	239	726	358	77.1	78.2	87.0	76.4	83.6	167	1945
1946	81.3	72.1	116	137	299	628	262	82.5	124	100	98.3	110	176	1946
1947	88.4	121	270	293	603	631	289	111	150	241	152	89.9	254	1947
1948	79.8	72.7	118	453	1 020	1 430	387	300	88.1	58.5	74.1	59.4	344	1948
1949	79.0	58.0	59.9	176	282	335	96.0	55.7	30.9	40.7	62.4	65.6	112	1949
1950	59.9	65.3	97.8	210	321	678	430	149	70.3	86.6	117	94.7	199	1950
1951	83.9	90.5	123	334	757	943	891	333	628	401	263	148	418	1951
1952	119	119	151	559	442	520	408	270	136	100	91.0	78.0	249	1952
1953	72.8	95.3	98.2	226	529	1 640	606	223	153	104	94.5	83.2	327	1953
1954	81.8	104	86.1	225	553	690	507	257	303	247	172	105	278	1954
1955	79.8	75.6	86.6	262	459	616	482	119	78.6	129	135	108	220	1955
1956	116	96.3	163	258	421	593	381	185	131	114	78.2	80.3	218	1956
1957	71.2	72.4	154	154	558	417	122	50.8	73.3	84.9	120	87.7	164	1957
1958	78.4	97.2	111	341	487	471	352	124	70.6	90.8	120	109	201	1958
1959	87.1	110	130	177	365	641	329	114	111	132	148	136	207	1959
1960	104	94.7	172	239	323	369	233	103	30.8	35.3	65.1	78.8	154	1960
1961	72.7	80.9	103	97.2	331	545	101	99.6	54.3	118	122	96.0	152	1961
1962	106	136	150	275	231	312	143	69.1	87.5	58.9	77.6	50.9	141	1962
1963	61.4	93.1	128	75.0	137	381	505	142	109	95.2	72.5	94.0	158	1963
1964	71.4	82.9	82.3	127	465	840	318	70.8	41.6	89.4	91.9	82.8	197	1964
1965	79.7	88.9	102	257	293	772	628	225	212	244	158	102	264	1965
1966	93.6	90.9	160	239	389	669	390	142	122	97.0	99.9	93.0	216	1966
1967	82.0	99.0	139	243	595	1 240	422	118	75.1	64.2	91.3	62.8	269	1967
1968	85.3	87.2	125	92.3	176	517	212	124	181	197	145	69.5	167	1968
1969	92.3	83.7	142	340	441	608	680	145	76.9	79.2	77.0	55.4	236	1969
1970	66.9	75.9	85.3	125	317	603	241	88.0	47.5	76.2	88.5	79.1	158	1970
1971	71.5	108	95.2	222	423	665	201	117	56.2	76.4	94.9	56.1	182	1971
1972	56.4	63.0	245	220	530	924	417	248	154	139	124	79.7	267	1972
1973	83.2	95.1	148	127	251	392	189	71.0	55.3	64.4	74.6	85.6	136	1973
1974	68.1	97.9	107	235	477	822	358	151	100	77.1	78.8	65.2	220	1974
1975	72.6	64.0	86.2	161	463	942	440	115	110	115	92.4	110	231	1975
1976	121	117	128	156	357	250	207	356	147	92.0	87.6	71.9	175	1976
1977	77.0	89.7	85.2	73.8	61.0	86.6	43.7	75.6	60.4	54.7	56.1	50.2	67.6	1977
1978	63.9	75.1	170	158	359	585	319	151	219	163	93.9	95.3	205	1978
1979	60.7	69.3	195	165	392	320	81.1	47.8	35.7	41.6	53.5	40.7	125	1979
1980	41.6	60.0	78.8	153	299	539	93.9	77.8	57.2	105	107	80.0	141	1980
1981	120	130	110	106	636	662	361	238	88.0	40.5	86.5	49.7	220	1981
1982	50.2	54.3	66.4	115	150	455	277	63.6	45.7	74.8	69.3	70.6	124	1982
MEAN	70.7	75.5	115	191	383	655	364	165	125	114	98.2	74.0	204	MEAN

LOCATION - LAT 50 02 35 N DRAINAGE AREA, 56 400 km^2
LONG 110 40 40 W REGULATED

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	5 660 IN AUG *	---	---	---	1902
1908	5 240 IN AUG	---	---	---	1908
1911	---	1 140 ON JUN 19	---	---	1911
1912	---	1 130 ON JUN 19	28.9 ON JAN 4	---	1912
1913	---	974 ON JUN 4	27.6B ON JAN 19	7 990 000	1913
1914	---	722 ON JUN 7	37.1B ON FEB 4	6 650 000	1914
1915	2 550 AT 21:00 MST ON JUN 28	2 400 ON JUN 28	47.0B ON DEC 31	10 600 000	1915
1916	---	2 200 ON JUN 23	39.6B ON JAN 10	12 100 000	1916
1917	---	1 630 ON JUN 5	19.8B ON DEC 15	8 880 000	1917
1918	---	1 040 ON JUN 16	30.3B ON FEB 25	5 620 000	1918
1919	---	991E ON JUN 1	27.6B ON FEB 11	4 570 000	1919
1920	---	824 ON JUL 10	37.4B ON FEB 2	7 470 000	1920
1921	---	912 ON MAY 29	35.7 ON SEP 26	5 600 000	1921
1922	---	940 ON JUN 8	25.5B ON DEC 18	5 100 000	1922
1923	4 110 AT 22:00 MST ON JUN 3	3 710 ON JUN 3	31.7B ON FEB 26	8 620 000	1923
1924	---	821 ON JUN 17	27.8B ON JAN 8	5 400 000	1924
1925	---	963 ON MAY 25	50.1B ON JAN 16	7 210 000	1925
1926	---	682 ON SEP 14	33.4 ON JUN 12	5 030 000	1926
1927	2 140 AT 17:00 MST ON JUN 13	2 090 ON JUN 13	50.4B ON DEC 15	11 300 000	1927
1928	1 840 AT 13:00 MST ON JUL 3	1 830 ON JUL 3	37.4B ON DEC 5	9 340 000	1928
1929	3 450 AT 22:00 MST ON JUN 5	3 060 ON JUN 5	10.2B ON NOV 21 *	5 390 000	1929
1930	---	725 ON JUN 12	24.5 ON SEP 2	5 380 000	1930
1931	---	524 ON JUN 22	---	---	1931
1932	2 940 ON JUN 5	2 710 ON JUN 5	---	---	1932
1933	---	940 ON JUN 20	---	---	1933
1935	---	682 ON JUN 20	---	---	1935
1936	694 ON JUN 5	688 ON JUN 5	12.6B ON NOV 3	3 420 000	1936
1937	1 370 ON JUN 16	1 290 ON JUN 16	18.8B ON FEB 2	3 820 000	1937
1938	---	1 090 ON MAY 29	37.4B ON DEC 31	6 130 000	1938
1939	---	960 ON JUN 19	18.4 ON OCT 27	4 100 000	1939
1940	---	572 ON MAY 28	20.2B ON JAN 26	4 180 000	1940
1941	---	391 ON JUN 6	29.7B ON JAN 20	3 050 000	1941
1942	2 650 AT 10:30 MST ON MAY 14	2 080 ON MAY 14	25.5B ON FEB 23	8 240 000	1942
1943	---	731 ON JUN 22	20.5 ON OCT 6	5 880 000	1943
1944	---	317 ON JUN 17	25.2 ON OCT 23	2 660 000	1944
1945	1 050 AT 08:00 MST ON JUN 9	1 030 ON JUN 8	34.0B ON NOV 9	5 270 000	1945
1946	---	983 ON JUN 1	60.0 ON AUG 17	5 550 000	1946
1947	1 050 AT 16:40 MST ON MAY 13	1 040 ON MAY 13	66.3B ON NOV 23	8 010 000	1947
1948	2 620 AT 08:15 MST ON JUN 20	2 550 ON JUN 20	15.3 ON SEP 30	10 900 000	1948
1949	---	575 ON JUN 4	12.7 ON OCT 20	3 530 000	1949
1950	---	1 090 ON JUN 25	30.0 ON OCT 16	6 260 000	1950
1951	1 780 AT 00:20 MST ON JUN 27	1 680 ON SEP 2	71.6B ON JAN 31	13 200 000	1951
1952	---	1 070 ON JUN 15	34.8B ON NOV 27	7 880 000	1952
1953	4 300 AT 08:30 MST ON JUN 11	4 080 ON JUN 11 *	40.2B ON JAN 19	10 300 000	1953
1954	1 090 AT 08:20 MST ON MAY 22	1 090 ON MAY 22	45.6B ON MAR 13	8 780 000	1954
1955	---	991 ON MAY 22	37.7 ON SEP 17	6 940 000	1955
1956	---	957 ON JUN 5	33.1B ON NOV 20	6 900 000	1956
1957	739 AT 21:00 MST ON MAY 23	733 ON MAY 24	34.3 ON AUG 13	5 180 000	1957
1958	651 AT 16:10 MST ON JUN 13	648 ON JUN 13	35.1B ON JAN 3	6 350 000	1958
1959	917 AT 10:00 MST ON JUN 30	889 ON JUN 30	50.1B ON JAN 8	6 520 000	1959
1960	---	580 ON MAY 16	19.9 ON SEP 20	4 880 000	1960
1961	---	951 ON MAY 30	33.7B ON NOV 30	4 780 000	1961
1962	---	379 ON JUN 19	22.9B ON DEC 26	4 440 000	1962
1963	1 970 AT 22:00 MST ON JUL 2	1 550 ON JUL 3	13.4B ON NOV 22	4 990 000	1963
1964	1 950 AT 18:00 MST ON JUN 11	1 830 ON JUN 11	27.1 ON SEP 21	6 230 000	1964
1965	1 640 AT 17:00 MST ON JUN 20	1 520 ON JUN 21	43.6B ON DEC 31	8 320 000	1965
1966	1 150 AT 17:00 MST ON JUN 7	1 130 ON JUN 7	35.1B ON JAN 2	6 800 000	1966
1967	2 360 AT 04:00 MST ON JUN 3	2 170 ON JUN 3	37.9 ON DEC 25	8 480 000	1967
1968	---	827 ON JUN 16	35.1 ON DEC 9	5 290 000	1968
1969	2 010 AT 23:30 MST ON JUL 1	1 880 ON JUL 2	41.6 ON SEP 25	7 440 000	1969
1970	1 440 AT 04:40 MST ON JUN 17	1 360 ON JUN 17	33.7B ON NOV 27	4 970 000	1970
1971	1 270 AT 09:30 MST ON JUN 9	1 240 ON JUN 9	24.4 ON NOV 8	5 730 000	1971
1972	1 370 AT 13:00 MST ON JUN 4	1 350 ON JUN 4	35.7B ON JAN 11	8 430 000	1972
1973	544 AT 03:30 MST ON MAY 30	521 ON MAY 30	25.6B ON NOV 7	4 290 000	1973
1974	1 320 AT 09:30 MST ON JUN 20	1 290 ON JUN 20	24.0B ON DEC 1	6 940 000	1974
1975	3 170 AT 01:00 MST ON JUN 23	2 860 ON JUN 23	21.5B ON NOV 26	7 290 000	1975
1976	762 AT 20:50 MST ON AUG 8	731 ON AUG 11	36.0B ON DEC 1	5 530 000	1976
1977	174 AT 14:50 MST ON JUN 14	169 ON JUN 14	13.1 ON APR 30	2 130 000	1977
1978	867 AT 05:40 MST ON JUN 12	855 ON JUN 12	36.2B ON NOV 14	6 460 000	1978
1979	744 AT 18:30 MST ON MAY 30	734 ON MAY 30	19.8B ON DEC 1	3 960 000	1979
1980	1 110 AT 16:35 MST ON MAY 29	1 080 ON MAY 29	30.1B ON JAN 12	4 450 000	1980
1981	1 720 AT 02:30 MST ON MAY 25	1 690 ON MAY 25	22.0B ON NOV 29	6 930 000	1981
1982	657 AT 06:46 MST ON JUN 20	635 ON JUN 20	35.0B ON JAN 2	3 920 000	1982
				6 430 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	2.47	1.65	---	---	---	---	1914
1915	---	---	---	---	---	---	12.1	4.13	2.16	---	---	---	---	1915
1916	---	---	---	---	---	---	---	4.97	4.04	2.27	---	---	---	1916
1917	---	---	---	---	---	---	---	2.67	---	---	---	---	---	1917
1918	---	---	---	---	1.89	5.13	2.70	2.08	1.54	---	---	---	---	1918
1919	---	---	---	---	2.38	3.44	2.45	2.62	1.56	---	---	---	---	1919
1921	---	---	---	---	2.49	5.03	3.82	2.07	1.34	1.18	---	---	---	1921
1922	---	---	---	0.640	1.63	4.09	2.77	2.02	1.38	1.03	---	---	---	1922
1924	---	---	---	---	---	4.00	4.00	3.20	1.67	1.24	1.06	0.963	---	1924
1925	0.716	0.751	0.690	0.974	2.38	5.06	3.19	2.67	2.24	1.74	1.24	1.05	1.90	1925
1926	0.906	0.857	0.813	1.04	1.35	2.09	2.28	1.31	3.17	1.94	1.42	1.18	1.53	1926
1927	0.927	0.818	0.782	0.772	1.49	7.20	5.59	3.54	2.80	1.73	1.49	1.17	2.36	1927
1928	1.11	0.987	0.852	0.912	3.77	8.07	6.21	2.73	1.78	1.38	1.16	1.05	2.50	1928
1929	0.883	0.691	0.781	0.837	1.52	6.00	2.87	1.81	1.44	1.17	1.01	0.945	1.66	1929
1930	0.742	0.734	0.760	1.04	2.22	5.72	4.34	2.11	1.71	1.31	1.08	0.903	1.89	1930
1931	0.803	0.721	0.656	---	---	---	2.08	1.44	1.26	1.1[illegible]	0.972	0.901	---	1931
1932	0.842	---	---	---	---	8.58	3.62	2.30	2.13	1.46	1.03	0.880	---	1932
1933	0.767	0.668	0.672	0.719	1.76	4.67	4.02	2.38	1.69	1.28	0.950	0.864	1.71	1933
1934	0.778	0.661	0.681	1.02	2.64	3.34	2.18	1.41	1.21	1.16	0.902	0.803	1.40	1934
1935	0.737	0.635	0.604	0.673	1.34	3.60	4.06	2.81	1.62	1.24	0.891	0.725	1.58	1935
1936	0.622	0.579	0.623	1.01	1.82	3.56	1.75	1.23	0.939	0.905	0.765	0.707	1.21	1936
1937	0.622	0.609	0.595	0.609	1.20	3.91	3.22	2.08	1.42	1.29	1.27	1.13	1.50	1937
1938	1.08	1.02	1.12	1.09	2.44	5.38	3.84	1.75	1.34	1.03	0.809	0.707	1.80	1938
1939	0.637	0.613	0.666	0.681	1.50	2.93	3.23	1.60	1.49	1.34	---	---	---	1939
MEAN	0.811	0.739	0.735	0.858	1.99	4.83	3.82	2.39	1.81	1.36	1.07	0.932	1.75	MEAN

LOCATION - LAT 50 53 00 N DRAINAGE AREA, 117 km²
LONG 115 22 00 W NATURAL FLOW

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	14.8 ON JUN 29	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	10.2 ON JUN 14	---	---	1918
1919	---	6.23 ON MAY 27	---	---	1919
1921	---	7.36 ON JUN 8	---	---	1921
1922	---	5.83 ON JUN 5	---	---	1922
1924	---	7.93 ON JUL 2	---	---	1924
1925	---	7.73 ON JUN 22	0.631 ON MAR 28	59 800	1925
1926	---	4.96 ON SEP 3	0.779 ON MAR 22	48 300	1926
1927	---	10.9 ON JUN 11	0.722 ON APR 13	74 600	1927
1928	---	12.0 ON JUN 28	0.810 ON MAR 15	79 200	1928
1929	---	11.4 ON JUN 5	0.680B ON JAN 29	52 500	1929
1930	---	7.96 ON JUN 9	0.651B ON JAN 20	59 700	1930
1931	---	---	---	---	1931
1932	---	25.5 ON JUN 3 *	---	---	1932
1933	---	9.49 ON JUN 17	0.589 ON APR 18	53 900	1933
1934	---	5.32 ON MAY 30	0.623E ON FEB 16	44 200	1934
1935	---	4.87 ON JUN 23	0.595B ON MAR 11	50 000	1935
1936	---	7.96 ON JUN 2	0.566B ON FEB 6 *	38 200	1936
1937	---	6.54 ON JUN 17	0.595B ON JAN 21	47 300	1937
1938	---	6.54 ON JUN 22	0.680E ON DEC 21	56 800	1938
1939	---	5.32 ON JUN 23	0.595E ON FEB 6	---	1939
MEAN				55 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	4.54	9.41	6.05	12.9	20.7	---	1975
1976	18.3	16.5	15.3	11.3	14.6	22.5	16.1	6.50	9.78	11.8	15.3	7.37	13.7	1976
1977	18.6	18.9	9.31	9.10	9.08	1.43	0.969	3.00	7.25	7.13	8.53	10.1	8.56	1977
1978	13.7	14.7	16.9	16.2	7.73	6.50	5.73	5.42	12.3	13.1	11.8	15.1	11.6	1978
1979	22.5	29.0	25.4	10.3	5.51	0.915	3.99	2.43	0.283	3.37	4.91	6.01	9.45	1979
1980	10.8	7.87	7.25	6.52	5.47	21.6	13.7	9.98	8.34	8.16	10.3	15.8	10.5	1980
1981	19.3	19.5	18.6	17.3	23.4	28.7	30.9	31.5	20.4	0.567	0.868	7.20	18.2	1981
1982	18.4	11.6	5.62	3.79	1.30	4.75	9.63	6.84	5.08	10.2	15.8	19.1	9.34	1982
MEAN	17.4	16.9	14.1	10.6	9.58	12.3	11.6	8.78	9.11	7.55	10.1	12.7	11.6	MEAN

LOCATION - LAT 51 05 20 N
LONG 115 22 25 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	32.3 ON JUN 4	0.283 ON MAR 7 *	435 000	1976
1977	---	27.8 ON JAN 31	0.283 ON MAR 19	270 000	1977
1978	---	24.4 ON DEC 11	0.283 ON MAY 6	365 000	1978
1979	---	32.3 ON FEB 14	0.283 ON MAY 29	298 000	1979
1980	---	34.8 ON JUN 19	0.283 ON MAY 18	332 000	1980
1981	---	37.4 ON SEP 11 *	0.283 ON MAY 10	574 000	1981
1982	---	27.8 ON JAN 21	0.283 ON MAR 12	295 000	1982
				367 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	13.1	7.32	---	0.164	---	---	1974
MEAN	---	---	---	---	---	---	---	13.1	7.32	---	0.164	---	---	MEAN

LOCATION - LAT 50 53 25 N
LONG 115 22 45 W   REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	0E ON JUL 20 *	---	1974
				---	MEAN

E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	22.2	13.9	12.5	---	---	---	1910
1911	5.64	4.12	4.04	4.41	11.0	57.0	43.1	23.5	15.4	8.94	6.40	5.91	15.8	1911
1912	4.25	3.99	3.06	3.78	14.6	39.7	39.6	25.7	18.8	12.1	7.69	6.74	15.0	1912
1913	5.71	4.28	4.14	5.40	15.2	60.8	29.5	25.7	19.9	12.6	8.46	6.38	16.5	1913
1914	5.54	4.72	4.73	5.09	21.6	55.0	49.2	21.9	13.9	15.1	9.42	5.20	17.7	1914
1915	5.17	5.07	4.88	7.82	19.1	33.9	41.8	26.3	14.4	10.3	7.28	5.48	15.2	1915
1916	5.20	4.58	4.46	5.14	12.6	61.2	66.4	32.2	24.8	11.6	7.72	5.08	20.1	1916
1917	4.62	4.48	3.98	4.06	17.5	40.5	42.0	21.3	11.7	8.75	5.71	5.24	14.2	1917
1918	4.99	3.72	3.73	5.10	16.0	58.1	30.4	20.8	12.5	9.07	6.49	5.87	14.8	1918
1919	4.44	3.85	3.68	4.48	28.1	41.5	27.4	21.5	12.3	7.07	5.52	3.73	13.7	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	10.4	5.94	4.80	13.8	1920
1921	3.73	3.92	3.88	4.10	22.1	48.9	36.4	18.8	10.3	8.25	6.52	5.20	14.4	1921
1922	4.36	3.39	2.87	3.32	14.7	40.4	24.0	16.6	11.3	7.53	5.35	4.70	11.6	1922
1923	4.26	3.96	4.38	4.54	14.8	65.2	34.9	19.4	12.1	8.00	6.08	5.00	15.2	1923
1924	4.61	4.83	4.18	3.14	19.9	31.5	28.9	20.5	13.5	9.01	6.15	5.14	12.6	1924
1925	3.87	3.63	3.57	6.26	31.3	51.8	31.7	20.8	14.7	10.0	6.37	4.94	15.8	1925
1926	3.80	4.21	3.60	7.04	14.1	20.2	18.9	12.0	19.0	14.4	8.96	4.38	10.9	1926
1927	3.00	3.34	3.81	4.58	11.0	60.9	45.9	22.5	19.2	15.9	9.19	6.23	17.2	1927
1928	4.34	4.35	4.83	5.80	34.5	53.3	43.5	19.0	12.1	8.81	6.38	4.86	16.9	1928
1929	4.13	3.25	3.50	3.60	11.7	48.3	25.2	16.6	11.7	8.72	5.63	5.77	12.4	1929
1930	4.26	3.93	4.02	8.45	22.0	44.9	35.7	20.1	13.6	9.43	6.01	3.94	14.7	1930
1931	3.46	3.42	3.59	3.84	19.1	40.6	27.0	15.1	11.7	7.95	6.03	4.79	12.3	1931
1932	3.16	2.74	3.82	3.47	20.3	71.5	32.4	19.7	14.0	7.94	5.75	4.46	15.8	1932
1933	4.19	4.16	3.98	4.12	15.1	67.7	49.3	23.9	14.7	10.6	7.84	5.03	17.6	1933
1934	3.61	3.40	3.73	12.3	35.9	36.4	24.1	15.8	11.8	9.33	7.02	4.40	14.0	1934
1935	3.65	3.34	3.55	3.42	13.3	47.6	41.3	23.1	12.0	7.34	5.76	4.01	14.1	1935
1936	3.83	3.39	4.58	5.39	21.6	32.1	20.2	13.0	9.22	6.22	4.15	4.14	10.7	1936
1937	3.02	3.04	3.56	2.74	14.1	37.7	30.7	16.1	10.6	9.90	8.88	5.53	12.2	1937
1938	4.72	2.93	4.23	3.73	22.5	55.5	33.7	13.4	9.14	6.91	4.62	3.17	13.7	1938
1939	2.69	2.52	3.45	3.25	21.6	30.8	31.4	15.1	11.5	10.2	7.06	4.55	12.1	1939
1940	3.70	3.40	3.50	3.69	22.9	37.3	22.4	12.5	13.4	7.74	5.51	4.17	11.7	1940
1941	3.47	3.09	2.99	4.95	16.1	30.8	16.9	11.7	12.9	8.96	7.03	5.14	10.4	1941
1942	4.42	4.21	3.74	3.71	22.4	36.5	34.9	18.0	12.6	8.47	5.84	4.96	13.4	1942
1943	5.06	3.86	2.89	5.81	10.5	29.9	43.7	20.6	10.1	6.76	5.59	4.61	12.5	1943
1944	3.60	2.91	3.09	3.73	14.4	24.4	14.9	16.2	11.4	9.02	5.88	4.44	9.51	1944
1945	3.67	3.27	3.26	3.12	11.3	36.8	30.0	14.7	10.5	8.99	6.58	4.73	11.4	1945
1946	4.11	2.90	3.13	3.86	22.6	52.9	35.4	15.5	13.3	8.40	6.17	4.19	14.4	1946
1947	3.43	3.82	3.98	6.29	30.1	50.1	36.8	18.9	16.7	13.9	9.77	6.49	16.8	1947
1948	5.55	4.09	3.92	5.41	35.8	59.7	30.5	24.9	11.9	8.06	6.34	5.72	16.9	1948
1949	4.58	3.64	3.65	4.95	19.5	26.4	16.3	13.4	11.5	2.04	1.71	1.39	9.11	1949
1950	1.08	1.08	0.912	0.931	2.31	9.92	8.81	7.56	6.56	6.14	5.76	5.28	4.71	1950
1951	6.14	12.0	24.9	29.4	14.6	15.6	35.1	22.0	16.3	8.39	5.65	5.01	16.3	1951
1952	3.24	2.96	3.58	4.57	8.22	10.1	8.59	6.55	5.92	4.53	3.83	3.37	5.46	1952
1953	3.57	3.73	3.78	3.81	5.69	12.2	9.75	6.14	5.29	4.86	2.62	2.53	5.34	1953
1954	2.03	1.31	0.741	2.04	5.16	10.1	9.35	8.70	5.07	2.63	1.81	1.22	4.20	1954
1955	1.13	1.37	1.35	1.80	2.80	8.59	6.58	6.20	3.83	1.66	1.68	1.16	3.18	1955
1956	0.806	0.549	0.492	1.28	5.47	8.16	5.32	4.95	3.32	1.63	1.27	1.02	2.86	1956
1957	0.923	0.523	0.706	1.39	6.00	6.10	6.30	5.97	3.44	1.85	1.44	1.06	2.99	1957
1958	0.677	0.437	0.736	0.933	4.37	6.15	5.91	6.20	4.15	1.33	1.13	1.13	2.78	1958
1959	0.661	0.946	0.852	0.868	3.3[illegible]	8.30	6.04	5.87	3.64	2.02	1.43	1.45	2.96	1959
1960	1.14	1.07	1.06	1.19	2.73	6.67	7.00	6.88	4.76	1.47	1.75	0.939	3.06	1960
1961	1.42	0.986	0.883	0.887	6.43	9.64	5.62	5.56	3.79	2.27	1.43	0.964	3.34	1961
1962	0.914	0.865	0.873	1.30	2.61	6.18	5.54	5.65	3.30	1.44	1.06	1.02	2.57	1962
1963	1.16	1.37	1.44	1.58	3.37	6.81	6.18	5.93	3.70	1.82	1.31	0.882	2.97	1963
1964	1.07	0.663	0.762	0.967	2.95	12.0	6.82	5.59	4.00	2.42	2.09	1.54	3.40	1964
1965	1.13	1.28	1.11	1.42	2.67	8.95	7.77	5.96	3.98	2.73	1.94	1.59	3.39	1965
1966	1.43	1.11	1.18	1.60	5.48	9.20	7.36	6.61	3.13	1.75	1.32	1.46	3.49	1966
1967	1.12	1.21	1.32	1.22	2.84	12.0	6.68	5.77	2.95	1.64	1.40	1.07	3.27	1967
1968	0.653	0.751	0.928	0.895	1.80	6.08	5.82	5.86	2.73	1.51	1.22	0.914	2.44	1968
1969	1.01	0.891	0.941	1.43	4.75	7.20	7.55	5.41	3.46	2.41	2.38	1.20	3.23	1969
1970	0.914	0.943	0.975	0.926	1.81	7.00	5.80	5.75	3.39	1.30	1.11	0.993	2.58	1970
1971	0.891	0.897	0.812	0.975	4.87	8.38	5.78	5.51	2.88	1.51	1.12	0.751	2.88	1971
1972	0.895	0.911	1.07	1.08	4.37	9.61	5.98	6.41	3.29	1.72	1.43	3.60	3.37	1972
1973	3.12	2.20	2.45	2.39	4.89	9.44	6.60	5.83	4.92	3.04	2.89	2.68	4.21	1973
1974	2.69	1.74	1.55	1.76	4.20	13.1	12.4	21.0	14.9	6.22	2.87	0.950	6.99	1974
1975	0.789	0.725	0.754	0.973	2.01	5.40	6.28	5.92	2.66	1.93	1.76	1.62	2.58	1975
1976	1.55	1.24	0.754	1.05	4.87	6.60	6.42	6.10	3.50	2.10	1.62	1.52	3.12	1976
1977	1.25	1.05	0.797	1.33	2.71	5.07	4.50	4.54	2.75	1.82	1.43	1.38	2.39	1977
1978	1.18	1.20	1.08	1.33	3.17	8.08	5.25	3.93	2.72	2.34	1.84	1.27	2.79	1978
1979	1.36	1.19	1.32	1.46	2.88	5.08	3.74	3.20	4.29	1.97	1.28	0.849	2.39	1979
1980	0.934	1.28	1.21	1.89	5.99	8.45	3.69	2.95	2.62	2.29	1.44	1.26	2.83	1980
1981	1.84	1.14	1.26	1.48	6.74	7.68	7.90	5.01	2.70	2.15	1.73	1.28	3.43	1981
1982	1.45	1.59	1.47	1.61	3.31	8.21	5.58	4.76	2.89	2.46	2.18	1.60	3.10	1982
MEAN	2.96	2.72	2.92	3.68	12.4	28.2	21.8	13.6	9.36	6.34	4.44	3.40	9.33	MEAN

LOCATION - LAT 51 09 30 N DRAINAGE AREA, 749 km^2
LONG 115 33 00 W REGULATED SINCE 1949

SPRAY RIVER AT BANFF - STATION NO. 05BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	74.8 ON JUN 18	3.28 ON APR 4	500 000	1911
1912	---	71.6 ON JUN 17	2.12 ON MAR 29	476 000	1912
1913	---	83.8 ON JUN 11	3.85 B ON MAR 21	521 000	1913
1914	---	86.1 ON JUN 19	3.57 B ON MAR 26	558 000	1914
1915	---	65.1 E ON JUN 26	4.19 ON MAR 27	480 000	1915
1916	---	127 ON JUN 20	3.88 B ON MAR 2	637 000	1916
1917	---	67.7 ON JUN 17	3.65 B ON MAR 18	448 000	1917
1918	---	112 ON JUN 14	3.00 B ON FEB 19	466 000	1918
1919	---	83.3 ON MAY 29	3.11 B ON DEC 30	432 000	1919
1920	---	86.1 ON JUL 3	1.90 B ON MAR 3	437 000	1920
1921	---	68.2 ON JUN 8	2.38 B ON JAN 29	453 000	1921
1922	---	61.2 ON JUN 5	2.55 B ON MAR 21	365 000	1922
1923	---	131 ON JUN 14	3.71 B ON JAN 31	480 000	1923
1924	---	54.9 ON JUL 4	2.66 ON APR 15	400 000	1924
1925	---	70.8 ON JUN 22	3.28 ON APR 2	498 000	1925
1926	---	43.0 ON SEP 1	2.83 B ON MAR 27	344 000	1926
1927	---	88.3 ON JUN 11	2.72 B ON APR 8	542 000	1927
1928	---	82.1 ON MAY 27	3.99 B ON FEB 21	533 000	1928
1929	---	69.7 ON JUN 4	2.58 B ON APR 5	390 000	1929
1930	---	60.6 ON JUN 11	3.60 B ON DEC 30	465 000	1930
1931	---	54.7 ON JUN 10	2.78 ON MAR 27	386 000	1931
1932	---	143 ON JUN 3	1.61 B ON MAR 2	498 000	1932
1933	---	156 ON JUN 17 *	3.14 ON APR 18	555 000	1933
1934	---	81.3 ON MAY 30	2.35 ON MAR 28	443 000	1934
1935	---	61.4 ON JUN 22	2.55 B ON DEC 30	444 000	1935
1936	---	67.7 ON JUN 1	1.42 B ON JAN 18	338 000	1936
1937	---	49.8 ON JUN 23	1.76 ON APR 12	385 000	1937
1938	---	77.6 ON MAY 27	1.98 B ON DEC 26	434 000	1938
1939	---	53.0 ON MAY 30	1.90 B ON FEB 10	381 000	1939
1940	---	48.7 ON MAY 25	1.73 ON APR 11	370 000	1940
1941	---	45.0 ON JUN 9	2.46 B ON JAN 24	326 000	1941
1942	---	60.0 ON JUL 3	2.89 B ON JAN 1	422 000	1942
1943	---	66.5 ON JUL 10	2.44 B ON MAR 15	395 000	1943
1944	---	32.0 ON JUN 13	2.41 B ON JAN 27	301 000	1944
1945	---	58.9 ON JUN 22	2.80 B ON MAR 5	361 000	1945
1946	---	78.4 ON MAY 29	2.38 B ON FEB 8	454 000	1946
1947	---	56.1 ON JUN 2	3.26 B ON JAN 1	529 000	1947
1948	127 AT 04:00 MST ON MAY 24	118 ON MAY 24	3.31 B ON MAR 10	533 000	1948
1949	42.2 AT 12:00 MST ON JUN 7	39.9 ON JUN 7	1.27 B ON DEC 4	287 000	1949
1950	24.0 AT 06:00 MST ON JUN 15	19.9 ON JUN 15	0.694A ON APR 4	148 000	1950
1951	---	55.8 ON JUL 29	3.96 B ON DEC 31	513 000	1951
1952	17.0 AT 23:30 MST ON JUN 26	14.3 ON JUN 27	2.58 B ON FEB 3	173 000	1952
1953	35.4 AT 23:30 MST ON JUN 12	21.0 ON JUN 13	0.906A ON NOV 29	168 000	1953
1954	24.1 AT 17:00 MST ON AUG 25	19.5 ON AUG 27	0.538B ON FEB 28	132 000	1954
1955	19.9 AT 21:00 MST ON JUN 12	16.0 ON JUN 12	0.736B ON JAN 16	100 000	1955
1956	15.5 AT 04:00 MST ON JUN 5	14.8 ON JUN 5	0.368B ON MAR 11	90 300	1956
1957	9.26 AT 14:00 MST ON JUL 6	8.75 ON JUL 6	0.396B ON MAR 4	94 500	1957
1958	17.8 AT 02:00 MST ON MAY 22	7.96 ON JUN 28	0.283B ON FEB 24 *	87 600	1958
1959	10.7 AT 04:00 MST ON JUN 14	10.3 ON JUN 14	0.595B ON JAN 17	93 400	1959
1960	11.0 ON AUG 2	10.1 ON AUG 2	0.850B ON DEC 13	96 800	1960
1961	28.4 AT 22:00 MST ON MAY 27	21.4 ON MAY 28	0.821B ON MAR 19	105 000	1961
1962	7.76 AT 03:00 MST ON JUN 18	7.45 ON JUN 18	0.634B ON NOV 29	81 000	1962
1963	9.88 AT 10:00 MST ON JUL 25	7.96 ON JUN 16	0.708B ON DEC 11	93 800	1963
1964	24.4 AT 14:15 MST ON JUN 8	20.0 ON JUN 8	0.467B ON FEB 27	108 000	1964
1965	---	19.4 ON JUN 18	1.06 B ON MAR 31	107 000	1965
1966	---	17.0 ON JUN 1	1.02 B ON FEB 22	110 000	1966
1967	---	15.8 ON JUN 3	0.906B ON DEC 31	103 000	1967
1968	8.52 AT 22:28 MST ON JUN 5	7.56 ON JUN 26	0.428B ON JAN 30	77 100	1968
1969	---	13.2 ON JUL 5	0.878B ON JAN 31	102 000	1969
1970	16.4 AT 05:56 MST ON JUN 16	14.9 ON JUN 16	0.821B ON JAN 15	81 400	1970
1971	14.8 AT 08:00 MST ON JUN 6	14.2 ON JUN 6	0.538B ON DEC 1	90 800	1971
1972	181 B AT 14:00 MST ON DEC 19 *	43.9 B ON DEC 19	0.838 ON APR 23	107 000	1972
1973	14.2 AT 04:00 MST ON JUN 24	13.8 ON JUN 24	1.93 B ON JAN 1	133 000	1973
1974	63.7 AT 22:10 MST ON JUL 29	30.0 ON JUL 29	0.680B ON DEC 28	220 000	1974
1975	9.12 AT 02:00 MST ON JUL 14	7.62 ON JUL 14	0.481B ON FEB 24	81 300	1975
1976	9.68 AT 02:00 MST ON JUL 1	9.17 ON JUL 1	0.541B ON APR 2	98 700	1976
1977	9.03 AT 22:30 MST ON JUN 8	8.50 ON JUN 8	0.680B ON MAR 15	75 400	1977
1978	12.4 AT 21:30 MST ON JUN 5	11.2 ON JUN 9	1.02 ON MAR 29	87 900	1978
1979	9.84 AT 01:00 MST ON MAY 27	8.09 ON MAY 27	0.575B ON NOV 29	75 300	1979
1980	12.3 AT 21:55 MST ON JUN 10	11.4 ON MAY 26	0.679B ON JAN 1	89 600	1980
1981	16.9 AT 22:10 MST ON MAY 25	15.7 ON MAY 26	0.960B ON FEB 9	108 000	1981
1982	11.6 AT 01:00 MST ON JUN 16	11.0 ON JUN 16	1.15 B ON JAN 7	97 800	1982
				294 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	---	---	---	---	---	3.06	---	1932
1933	2.75	2.43	2.21	2.30	10.6	---	---	---	---	---	---	---	---	1933
1948	---	---	---	---	---	44.4	21.6	17.7	8.89	6.00	---	---	---	1948
1949	---	---	---	---	16.2	21.0	14.6	11.4	9.22	---	---	---	---	1949
MEAN	2.75	2.43	2.21	2.30	13.4	32.7	18.1	14.6	9.06	6.00	---	3.06	---	MEAN

LOCATION - LAT 50 53 00 N, LONG 115 22 00 W
DRAINAGE AREA, 487 km^2
NATURAL FLOW

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	32.0E ON MAY 31	1.56 ON APR 18 *	---	1933
1948	---	85.2 ON MAY 24 *	---	---	1948
1949	---	34.3 ON JUN 7	---	---	1949
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	32.9	13.2	7.18	---	---	---	---	1915
1916	---	---	---	---	---	---	---	16.8	13.7	6.87	---	---	---	1916
1917	---	---	---	---	---	---	---	12.7	---	---	---	---	---	1917
1918	---	---	---	---	10.4	37.5	19.7	11.7	7.60	---	---	---	---	1918
1919	---	---	---	---	18.8	29.2	17.7	12.7	7.93	---	---	---	---	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	---	---	---	---	1920
1921	---	---	---	---	12.7	29.8	22.7	11.6	5.94	4.76	---	---	---	1921
1922	---	---	---	1.24	10.3	31.2	18.1	11.7	7.18	4.23	---	---	---	1922
1924	---	---	---	---	---	24.0	20.0	12.7	6.91	4.38	2.69	2.23	---	1924
1925	1.63	1.52	1.28	2.57	21.2	33.7	19.6	12.7	9.24	5.74	3.27	2.35	9.61	1925
1926	1.61	1.55	1.39	4.23	9.52	14.1	13.0	7.77	10.5	7.73	4.55	2.64	6.58	1926
1927	2.02	1.59	1.25	1.61	5.34	41.4	30.4	13.8	11.8	7.58	5.01	2.93	10.4	1927
1928	1.87	1.89	1.72	2.07	22.6	35.8	27.0	11.8	6.30	4.08	2.60	2.10	10.0	1928
1929	1.55	1.11	1.62	1.30	8.16	32.1	15.9	9.15	5.63	3.71	2.11	1.73	7.02	1929
1930	1.49	1.22	1.25	2.68	13.9	35.2	26.2	11.2	6.54	4.07	2.06	1.68	9.00	1930
1931	1.43	1.43	1.53	---	---	---	16.6	9.04	6.67	3.71	2.68	2.34	---	1931
1932	1.60	---	---	---	---	37.2	19.8	12.0	7.69	3.99	2.56	1.79	---	1932
1933	1.54	1.30	1.09	1.19	8.49	44.2	35.8	15.3	7.19	4.76	3.57	2.23	10.6	1933
1934	1.78	1.61	1.26	5.96	27.2	27.4	17.0	9.44	5.79	4.09	2.98	1.80	8.91	1934
1935	1.49	1.37	1.18	1.06	6.32	33.0	29.8	14.9	6.43	3.59	2.58	1.66	8.65	1935
1936	1.21	1.22	1.88	3.07	16.4	24.1	13.3	7.68	4.25	3.06	2.17	1.67	6.68	1936
1937	1.32	1.24	1.32	1.27	8.19	22.6	19.9	10.3	6.02	5.16	4.35	2.60	7.05	1937
1938	2.38	1.69	2.05	2.02	12.3	36.4	19.5	8.27	6.34	4.44	2.82	2.01	8.37	1938
1939	1.61	1.52	1.65	1.72	16.2	20.5	19.9	9.49	6.88	4.55	---	---	---	1939
MEAN	1.74	1.55	1.53	2.34	13.1	31.1	23.3	11.9	7.66	4.76	3.07	2.12	8.57	MEAN

LOCATION - LAT 50 53 00 N, LONG 115 22 00 W

DRAINAGE AREA, 360 km^2

NATURAL FLOW

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	43.6E ON JUL 8	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	80.1 ON JUN 14	---	---	1918
1919	---	59.5 ON MAY 27	---	---	1919
1920	---	86.1 ON JUL 3	---	---	1920
1921	---	42.2 ON JUN 8	---	---	1921
1922	---	44.5 ON JUN 5	---	---	1922
1924	---	38.8E ON JUL 4	---	---	1924
1925	---	44.5E ON JUN 24	1.05 B ON DEC 21	303 000	1925
1926	---	27.3 ON SEP 1	0.816B ON MAR 25	207 000	1926
1927	---	67.7 ON JUN 10	1.02 B ON MAR 30	328 000	1927
1928	---	52.1 ON MAY 23	1.25 B ON FEB 29	316 000	1928
1929	---	54.1 ON JUN 2	0.782B ON APR 9	222 000	1929
1930	---	50.1 ON JUN 9	0.949B ON MAR 20	284 000	1930
1931	---	---	---	---	1931
1932	---	101 ON JUN 3 *	---	---	1932
1933	---	86.7 ON JUN 17	0.770 ON APR 8	334 000	1933
1934	---	67.7 ON MAY 30	1.22 E ON MAR 29	281 000	1934
1935	---	41.9E ON JUN 29	0.850E ON APR 6	273 000	1935
1936	---	52.4 ON JUN 1	0.708B ON FEB 12 *	211 000	1936
1937	---	35.7 ON JUL 1	1.13 E ON APR 1	222 000	1937
1938	---	48.1 ON JUN 22	1.61 E ON FEB 11	264 000	1938
1939	---	50.1 ON MAY 29	---	---	1939
				270 000	MEAN

B - ICE CONDITIONS

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.062	0.001	0	0	0	0	0.004	---	1967
1968	0.001	0.001	0.005	---	---	---	---	0.010	---	---	---	0.006	---	1968
1969	---	---	0.003	0.544	0.153	0.015	0.002	0.002	0.012	0.015	---	0.005	---	1969
1970	0.004	0.001	0.003	0.359	0.217	0.021	0.003	0	0	0	---	---	---	1970
1971	---	---	0	0.166	0.081	0.517	0.450	0.005	0.001	0.006	---	---	---	1971
1972	---	---	0.010	0.620	0.282	0.394	0.097	0.006	0.004	0.018	---	---	---	1972
1973	---	---	0.001	0.454	0.266	0.311	0.047	0.015	0.017	0.048	---	---	---	1973
1974	---	---	0	1.23	0.663	0.036	0.010	0	0.002	0.003	---	---	---	1974
1975	---	---	---	0.141	0.163	0.058	0.046	0.007	0.012	0.019	---	---	---	1975
1976	---	---	---	0.600	0.115	0.925	0.223	1.25	0.154	0.046	---	---	---	1976
1977	---	---	---	---	0.782	0.231	0.412	0.068	0.037	0.078	---	---	---	1977
1978	---	---	---	0.416	0.331	0.418	0.033	0.006	0.059	0.045	---	---	---	1978
1979	---	---	---	---	0.912	0.686	0.072	0.004	0.034	0.002	---	---	---	1979
1980	---	---	---	0.130	0.050	0.217	0.063	0.015	0.028	0.016	---	---	---	1980
1981	---	---	---	0.383	0.108	0.036	0.007	0.001	0.001	0	---	---	---	1981
1982	---	---	---	---	0.210	0.006	0.063	0.297	0.015	0.014	---	---	---	1982
MEAN	0.003	0.001	0.003	0.458	0.310	0.262	0.102	0.105	0.025	0.021	0	0.005	---	MEAN

LOCATION - LAT 54 55 46 N, LONG 117 42 20 W — DRAINAGE AREA, 33.4 km², NATURAL FLOW — DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 6 *	---	1967
1968	---	---	0 ON AUG 16	---	1968
1969	1.80 AT 16:00 MST ON APR 14	1.59 ON APR 14	0 ON SEP 11	---	1969
1970	1.08 AT 20:00 MST ON APR 21	0.988 ON APR 21	0 ON AUG 8	---	1970
1971	3.57 ON JUL 12	3.26 ON JUL 12	0A ON MAR 4	---	1971
1972	5.64 AT 04:00 MST ON JUN 26	4.53 ON JUN 26	0 ON SEP 9	---	1972
1973	1.60 AT 03:00 MST ON APR 24	1.57 ON APR 24	0B ON MAR 1	---	1973
1974	4.96 AT 22:00 MST ON APR 24	4.50 ON APR 24	0B ON MAR 1	---	1974
1975	---	0.682 ON APR 28	0B ON JAN 7	---	1975
1976	---	7.82 E ON AUG 18 *	---	---	1976
1977	---	7.19 ON APR 9	---	---	1977
1978	---	1.95 ON JUN 15	---	---	1978
1979	6.41 AT 10:25 MST ON JUN 14 *	5.30 ON JUN 14	0B ON APR 6	---	1979
1980	1.29 AT 15:18 MST ON JUN 6	1.08 ON JUN 6	0B ON JAN 7	---	1980
1981	1.13 AT 16:57 MST ON APR 22	1.07 ON APR 22	0B ON FEB 20	---	1981
1982	3.14 AT 07:13 MST ON AUG 4	2.76 ON AUG 4	0 ON JUN 28	---	1982
MEAN				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	---	---	0.032	0.130	0.140	0.124	---	---	---	1966
1967	---	---	---	---	1.97	0.459	0.016	0.002	0	0	---	---	---	1967
1968	---	---	0.029	0.249	0.878	0.848	0.038	0.063	0.017	0.036	---	---	0.268	1968
1969	---	---	0	1.62	0.414	0.029	0.056	0.002	0.030	0.034	---	---	0.269	1969
1970	---	---	0.036	1.12	0.615	0.057	0.003	0	0	0	---	---	0.227	1970
1971	---	---	0.001	0.434	0.141	1.78	1.25	0.005	0.006	0.015	---	---	0.451	1971
1972	---	---	0.108	1.81	0.753	0.751	0.164	0.013	0.007	0.028	---	---	0.449	1972
1973	---	---	0.018	1.40	0.646	0.853	0.081	0.016	0.042	0.094	---	---	0.389	1973
1974	---	---	0.007	4.47	1.91	0.064	0.004	0.001	0.002	0.007	---	---	0.799	1974
1975	---	---	---	---	0.379	0.148	0.103	0.006	0.019	0.034	---	---	---	1975
1976	---	---	---	2.05	0.348	2.45	0.277	2.67	0.296	0.137	---	---	---	1976
1977	---	---	0	3.06	2.26	0.507	1.18	0.143	0.081	0.365	---	---	0.947	1977
1978	---	---	---	---	1.22	1.32	0.050	0.022	0.234	0.123	---	---	---	1978
1979	---	---	---	---	2.69	2.65	0.314	0.007	0.020	0.009	---	---	---	1979
1980	---	---	---	0.568	0.145	0.618	0.121	0.029	0.127	0.046	---	---	---	1980
1981	---	---	---	1.10	0.365	0.066	0.014	0.001	0	0	---	---	---	1981
1982	---	---	---	0.114	0.771	0.040	0.259	0.834	0.040	0.023	---	---	---	1982
MEAN	---	---	0.025	1.50	0.969	0.790	0.233	0.232	0.062	0.063	---	---	0.475	MEAN

LOCATION - LAT 54 55 05 N, LONG 117 50 55 W — DRAINAGE AREA, 112 km², NATURAL FLOW — DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	0 ON 5(: 0	99 900 000 ON 5(: 0	---	1965
1966	---	---	---	---	1966
1967	7.93 AT 12:00 MST ON APR 30	7.08 ON MAY 1	0 ON JUL 16 *	---	1967
1968	10.1 AT 16:00 MST ON [illegible] 12	4.96 ON JUN 14	0B ON MAR 19	5 680	1968
1969	7.14 AT 07:00 MST ON JUL 18	3.85 ON APR 16	0B ON MAR 1	5 700	1969
1970	---	3.11B ON APR 21	0 ON JUL 15	4 810	1970
1971	11.3 AT 16:00 MST ON JUL 12	9.20 ON JUL 12	0B ON MAR 1	9 550	1971
1972	---	9.03A ON JUN 26	0B ON MAR 1	9 500	1972
1973	4.87 AT 12:00 MST ON JUN 11	4.67 ON APR 24	0 ON AUG 14	8 240	1973
1974	17.8 AT 20:00 MST ON APR 23	15.0 ON APR 24	0 ON OCT 26	16 900	1974
1975	---	2.61B ON APR 28	0 ON AUG 1	---	1975
1976	---	20.8 ON AUG 18 *	---	---	1976
1977	---	20.4 E ON APR 10	0B ON MAR 2	20 000	1977
1978	---	6.54A ON APR 30	---	---	1978
1979	26.2 AT 14:30 MST ON JUN 14 *	17.6 ON JUN 14	0E ON AUG 17	---	1979
1980	3.42 AT 17:00 MST ON JUN 5	3.18 ON JUN 6	0B ON MAR 24	---	1980
1981	4.84 AT 10:30 MST ON APR 21	2.70B ON APR 21	0 ON JUL 7	---	1981
1982	8.92 AT 19:30 MST ON AUG 3	6.96 ON AUG 4	0 ON JUN 28	---	1982
				10 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VERGER - STATION NO. 05CJ010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.464	0.465	0.345	0.276	---	---	---	1966
MEAN	---	---	---	---	---	---	0.464	0.465	0.345	0.276	---	---	---	MEAN

LOCATION - LAT 50 57 17 N, LONG 111 57 30 W   DRAINAGE AREA, 85.2 km^2 REGULATED

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	0.026	0.028	0.028	0.028	0.028	0.028	0.028	---	1926
1927	0.027	0.024	0.022	0.026	0.042	0.047	0.046	0.040	0.040	---	---	---	---	1927
1928	---	---	---	---	---	---	---	---	---	0.040	0.044	---	---	1928
MEAN	0.027	0.024	0.022	0.026	0.042	0.037	0.037	0.034	0.034	0.034	0.036	0.028	---	MEAN

LOCATION - LAT 49 07 11 N, LONG 113 50 38 W   NATURAL FLOW

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	0.105 ON MAY 29 *	---	---	1927
1928	---	---	---	---	1928
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0	0	5.79	7.18	2.65	0	0	---	1.97	1917
1918	---	---	---	0	0	7.33	11.1	6.83	1.03	0	0	---	3.30	1918
1919	---	---	---	1.77	10.7	10.8	10.7	10.8	4.48	1.12	0	---	6.34	1919
1920	---	---	---	0	1.35	10.3	12.2	9.61	0	0	0	---	4.21	1920
1921	---	---	---	0	2.82	10.2	9.19	3.37	0	0	0	---	3.21	1921
1922	---	---	---	0	1.00	6.25	9.47	8.34	5.67	0.097	0	---	3.87	1922
1923	---	---	---	0	5.77	11.8	9.83	9.26	1.97	0	0	---	4.85	1923
1924	---	---	---	0	6.97	9.13	11.2	13.2	2.96	0	0	---	5.47	1924
1925	---	---	---	0	9.75	14.2	14.5	13.5	10.0	4.22	0	---	8.31	1925
1926	---	---	---	2.05	11.9	12.7	12.7	2.86	2.81	0	0	---	5.65	1926
1927	---	---	---	0	0.722	0.898	10.9	11.8	0.165	0	0	---	3.11	1927
1928	---	---	---	0	0	11.6	8.83	10.9	1.25	0	0	---	4.09	1928
1929	---	---	---	0.246	1.77	9.53	12.8	12.6	7.57	2.60	0.121	---	5.94	1929
1930	---	---	---	0	0	7.95	14.2	13.0	4.75	0	0	---	5.03	1930
1931	---	---	---	1.25	9.99	15.1	15.4	14.8	2.81	1.37	0.534	---	7.70	1931
1932	---	---	---	6.49	14.4	13.1	16.6	16.3	5.24	0.358	---	---	---	1932
1933	---	---	---	0.008	11.4	14.1	17.1	17.0	7.24	1.69	0	---	8.62	1933
1934	---	---	---	2.57	18.2	17.1	19.5	17.5	0.847	0.055	0	---	9.54	1934
1935	---	---	---	0	11.3	16.5	20.0	16.2	8.19	0	0	---	9.06	1935
1936	---	---	---	0	12.6	19.8	20.8	14.0	1.87	0.770	0	---	8.77	1936
1937	---	---	---	0	14.8	7.56	19.0	19.9	4.67	0.019	0	---	8.32	1937
1938	---	---	---	2.10	11.5	17.5	19.0	19.2	4.33	1.64	2.11	---	9.71	1938
1939	---	---	---	3.65	16.4	19.3	19.6	13.3	0.401	0	0	---	9.13	1939
1940	---	---	---	0	11.2	16.8	18.7	9.89	0.001	0	5.22	---	7.76	1940
1941	---	---	---	2.26	14.4	15.6	18.2	7.30	2.15	0	0	---	7.53	1941
1942	---	---	---	6.87	18.4	5.22	18.8	16.3	13.3	0.352	0	---	9.96	1942
1943	---	---	---	0	0	9.67	14.1	15.2	14.8	1.72	0	---	6.94	1943
1944	---	---	---	2.29	13.9	12.5	11.8	9.23	1.47	0	0	---	6.43	1944
1945	---	---	---	1.03	16.0	16.3	16.1	15.7	14.3	2.02	0	---	10.2	1945
1946	---	---	---	10.5	15.7	17.1	16.3	15.4	14.6	0.080	0	---	11.2	1946
1947	---	---	---	0.102	5.43	13.3	16.4	16.0	13.0	0.411	0	---	8.10	1947
1948	---	---	---	0.024	3.24	8.86	13.5	15.1	13.6	0.151	0	---	6.84	1948
1949	---	---	---	0.483	14.3	15.8	15.4	14.9	9.21	0	0	---	8.81	1949
1950	---	---	---	0	2.76	9.91	14.7	14.1	14.7	14.1	0.652	---	8.90	1950
1951	---	---	---	0	0	4.54	13.3	16.1	4.78	0	0	---	4.88	1951
1952	---	---	---	0	0	0	12.9	15.8	15.6	3.97	0	---	6.07	1952
1953	---	---	---	2.09	14.9	4.13	4.89	13.4	13.6	0.928	0	---	6.77	1953
1954	---	---	---	0.100	3.44	10.5	15.4	16.3	2.18	0.001	0	---	6.04	1954
1955	---	---	---	0	2.43	8.04	14.9	16.7	8.78	0	0	---	6.40	1955
1956	---	---	---	2.95	14.6	16.6	16.4	16.0	15.3	7.44	0	---	11.2	1956
1957	---	---	---	3.38	16.6	16.6	15.9	15.5	9.36	0.044	0	---	9.70	1957
1958	---	---	---	1.11	16.1	17.6	17.5	17.1	8.60	0	0	---	9.80	1958
1959	---	---	---	9.40	17.5	17.7	16.3	17.5	18.0	4.59	0	---	12.6	1959
1960	---	---	---	0.997	14.2	17.8	17.8	17.7	11.4	0	0	---	10.0	1960
1961	---	---	---	11.8	12.0	18.9	18.0	17.8	12.2	1.69	0	---	11.5	1961
1962	---	---	---	12.1	18.2	18.5	18.4	17.2	0.939	0	0	---	10.7	1962
1963	---	---	---	15.6	17.2	19.8	18.9	19.0	12.0	0	0	---	12.8	1963
1964	---	---	---	8.55	15.8	9.92	9.74	19.2	15.6	0	0	---	9.88	1964
1965	---	---	---	0	0.664	18.4	12.6	18.4	10.7	0.001	0	---	7.61	1965
1966	---	---	---	0.030	15.8	18.8	16.2	19.1	14.5	0.005	0	---	10.6	1966
MEAN	---	---	---	2.24	9.36	12.4	14.7	14.1	7.31	1.03	0.176	---	7.66	MEAN

LOCATION - LAT 48 59 00 N
LONG 113 04 00 W REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.19 ON JUL 23	0 ON APR 1 *	41 600	1917
1918	---	11.5 ON JUL 12	0 ON APR 1	69 600	1918
1919	---	11.6 ON MAY 15	0E ON APR 1	134 000	1919
1920	---	13.3 ON AUG 9	0 ON APR 1	88 800	1920
1921	---	13.0 ON JUN 20	0 ON APR 1	67 700	1921
1922	---	13.6 ON AUG 17	0 ON APR 1	81 600	1922
1923	---	14.4 ON JUL 16	0 ON APR 1	102 000	1923
1924	---	15.3 ON AUG 23	0 ON APR 1	115 000	1924
1925	---	15.2 ON JUL 25	0 ON APR 1	175 000	1925
1926	---	14.1 ON JUN 26	0E ON APR 1	119 000	1926
1927	---	13.3 ON AUG 14	0 ON APR 1	65 700	1927
1928	---	16.3 ON JUN 18	0 ON APR 1	86 300	1928
1929	---	13.5 ON JUL 7	0E ON APR 1	125 000	1929
1930	---	14.6 ON JUN 30	0 ON APR 1	106 000	1930
1931	---	16.1 ON JUN 30	0E ON APR 1	162 000	1931
1932	---	17.0 ON JUL 29	0E ON APR 1	---	1932
1933	---	18.2 ON AUG 5	0E ON APR 1	182 000	1933
1934	---	19.9 ON MAY 30	0E ON APR 1	201 000	1934
1935	---	20.3 ON JUL 21	0E ON APR 1	191 000	1935
1936	---	21.3 ON JUN 20	0 ON APR 1	185 000	1936
1937	---	21.5 ON JUN 13	0 ON APR 1	175 000	1937
1938	---	19.9 A ON JUN 19	0E ON APR 1	205 000	1938
1939	---	20.0 ON JUL 28	0 ON APR 1	193 000	1939
1940	---	19.9 ON JUL 27	0 ON APR 1	164 000	1940
1941	---	19.5 ON JUN 4	0 ON APR 1	159 000	1941
1942	---	20.1 ON JUL 25	0E ON APR 1	210 000	1942
1943	---	15.8 ON JUL 23	0 ON APR 1	146 000	1943
1944	---	16.7 ON JUL 22	0 ON APR 1	136 000	1944
1945	---	17.2 ON JUN 4	0 ON APR 1	215 000	1945
1946	---	17.4 ON JUN 24	0 ON APR 1	236 000	1946
1947	---	16.8 ON JUL 11	0 ON OCT 16	171 000	1947
1948	---	17.1 ON JUN 16	0 ON APR 1	144 000	1948
1949	---	16.7 ON MAY 17	0 ON APR 1	186 000	1949
1950	---	15.3 ON MAY 16	0 ON APR 1	188 000	1950
1951	---	17.1 ON AUG 30	0 ON APR 1	103 000	1951
1952	---	16.1 ON AUG 30	0 ON APR 1	128 000	1952
1953	---	18.8 ON JUN 3	0E ON APR 1	143 000	1953
1954	---	17.1 ON AUG 31	0E ON APR 1	127 000	1954
1955	---	18.3 ON JUL 18	0 ON APR 1	135 000	1955
1956	---	17.7 ON MAY 21	0A ON OCT 26	236 000	1956
1957	---	17.8 ON MAY 22	0 ON OCT 7	205 000	1957
1958	---	18.2 ON MAY 13	0 ON APR 22	207 000	1958
1959	---	18.5 ON MAY 19	0E ON OCT 18	267 000	1959
1960	---	18.9 ON JUN 19	0 ON APR 11	212 000	1960
1961	---	19.6 ON MAY 27	0 ON NOV 1	243 000	1961
1962	---	19.9 ON JUN 14	0 ON SEP 17	226 000	1962
1963	---	20.4 ON JUN 10	0 ON APR 1	270 000	1963
1964	---	23.1 ON JUN 8 *	0 ON OCT 4	208 000	1964
1965	---	19.9 ON JUN 17	0E ON APR 1	160 000	1965
1966	---	21.9 ON JUN 4	0 ON APR 24	223 000	1966
				162 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	7.17	---	0	0	---	---	1918
1919	---	---	---	2.07	11.0	11.0	11.0	11.0	4.39	1.16	0	---	7.39	1919
1920	---	---	---	0	1.57	10.2	12.1	9.30	0	0	0	---	4.75	1920
1921	---	---	---	0	3.17	9.72	9.39	3.40	0	0	0	---	3.67	1921
1922	---	---	---	0	1.15	6.74	9.59	8.88	5.69	0.014	0	---	4.53	1922
1923	---	---	---	0	5.98	11.4	10.0	9.26	1.71	0	0	---	5.51	1923
1924	---	---	---	0	7.21	8.74	11.2	12.9	2.36	0	0	---	6.10	1924
1925	---	---	---	0.244	10.1	14.0	14.1	12.9	10.2	3.96	0	---	9.36	1925
1926	---	---	---	3.20	12.3	12.9	12.6	2.96	2.68	0	0	---	6.68	1926
1927	---	---	---	0	---	---	11.4	11.6	0.005	0	0	---	---	1927
1928	---	---	---	0	0	12.3	8.94	11.3	1.17	0	0	---	4.82	1928
1929	---	---	---	0.375	1.66	9.80	12.9	12.6	7.51	2.59	0.150	---	6.80	1929
1930	---	---	---	0	0	8.68	14.9	13.5	4.61	0	0	---	5.97	1930
1931	---	---	---	1.58	10.3	15.5	15.8	15.1	2.55	1.53	0.491	---	8.93	1931
1932	---	---	---	6.71	14.4	13.1	16.8	16.7	4.81	0.688	0	---	10.5	1932
1933	---	---	---	0.089	11.9	14.4	17.6	17.3	6.95	1.92	0	---	10.0	1933
1934	---	---	---	3.08	18.3	17.0	19.8	17.6	0.743	0	0	---	11.0	1934
1935	---	---	---	0	11.9	17.0	20.5	16.6	7.92	0	0	---	10.6	1935
1936	---	---	---	0	13.3	20.2	21.3	13.9	2.01	0.957	0	---	10.3	1936
1937	---	---	---	0.087	15.0	7.57	19.0	19.8	4.14	0.021	0	---	9.45	1937
1938	---	---	---	2.37	11.1	17.8	19.2	19.6	3.86	2.00	2.14	---	10.9	1938
1939	---	---	---	4.15	16.3	19.2	19.6	13.2	0.361	1.20	4.74	---	10.6	1939
1940	---	---	---	0	11.9	16.9	18.6	9.55	0	0.029	5.23	---	8.18	1940
1941	---	---	---	2.63	14.5	15.4	18.0	6.97	2.14	0	0	---	8.55	1941
1942	---	---	---	7.15	17.9	5.02	18.4	16.1	13.1	0.168	0	---	11.2	1942
1943	---	---	---	0	0	9.89	14.1	15.2	14.6	1.46	0	---	7.89	1943
1944	---	---	---	2.71	13.8	12.5	12.1	9.09	1.40	0	0	---	7.40	1944
1945	---	---	---	1.70	16.2	16.4	16.3	16.0	14.3	1.86	0	---	11.8	1945
1946	---	---	---	10.8	15.7	17.3	16.5	15.6	14.7	0	0	---	12.9	1946
1947	---	---	---	0	5.71	13.3	16.5	16.2	12.9	0.220	0	---	9.27	1947
1948	---	---	---	0	3.30	7.95	13.9	15.1	13.5	0.004	0	---	7.68	1948
1949	---	---	---	0.661	14.6	16.0	15.6	15.2	9.09	0	0	---	10.2	1949
1950	---	---	---	0	2.82	10.4	14.8	14.2	15.0	14.2	0.358	---	10.2	1950
1951	---	---	---	0	0	4.60	13.5	16.5	4.47	0	0	---	5.61	1951
1952	---	---	---	0	0	0	13.7	16.3	16.2	3.75	0	---	7.16	1952
1953	---	---	---	2.23	15.0	3.06	5.29	14.0	14.0	0.629	0	---	7.77	1953
1954	---	---	---	0	3.70	11.1	16.1	16.9	1.95	0	0	---	7.14	1954
1955	---	---	---	0	2.44	8.71	15.0	16.9	8.54	0	---	---	7.40	1955
1956	---	---	---	3.29	14.9	16.9	16.9	16.4	15.6	7.04	---	---	13.0	1956
1957	---	---	---	3.84	17.2	17.2	16.6	16.1	9.46	0.003	---	---	11.5	1957
1958	---	---	---	1.27	16.8	18.1	18.1	17.7	8.44	0	---	---	11.5	1958
1959	---	---	---	9.98	17.8	18.0	16.7	18.1	18.5	4.31	---	---	14.8	1959
1960	---	---	---	1.12	14.6	18.2	18.1	18.0	11.2	0	---	---	11.6	1960
1961	---	---	---	12.5	12.7	19.4	18.8	18.5	12.4	1.61	---	---	13.7	1961
1962	---	---	---	13.4	18.9	19.0	19.0	17.5	0.731	0	---	---	12.7	1962
1963	---	---	---	16.4	17.8	20.0	19.3	19.5	11.8	0	---	---	15.0	1963
1964	---	---	---	8.94	16.3	10.1	10.3	19.6	15.5	0	---	---	11.5	1964
1965	---	---	---	0	1.10	18.8	13.1	18.9	10.3	0	---	---	8.87	1965
1966	---	---	0	0	16.8	19.0	16.6	19.6	14.4	0	---	---	12.4	1966
1967	---	---	---	0	0	5.00	19.1	19.3	16.7	0.019	---	---	8.62	1967
1968	---	---	---	11.7	17.9	19.6	19.5	19.5	12.7	0	---	---	14.4	1968
1969	---	---	---	0	10.5	19.7	19.7	19.6	8.71	0	---	---	11.2	1969
1970	---	---	---	6.01	7.15	15.7	19.5	19.7	9.20	0	---	---	11.1	1970
1971	---	---	---	0	6.26	7.10	20.0	19.8	19.8	3.89	---	---	11.0	1971
1972	---	---	---	0.266	15.5	13.8	19.6	19.8	19.7	5.48	---	---	13.5	1972
1973	---	---	0.102	1.64	13.8	19.9	19.7	15.9	0.107	0	---	---	10.2	1973
1974	---	---	0.246	13.0	15.5	16.4	19.5	18.3	13.5	0	---	---	13.7	1974
1975	---	---	---	0	0	3.26	8.89	18.9	15.2	0	---	---	6.62	1975
1976	---	---	---	1.88	16.4	19.9	19.6	19.6	17.9	1.48	---	---	13.8	1976
1977	---	---	---	0.574	15.6	18.6	5.37	5.21	2.28	0	---	---	6.80	1977
1978	---	---	---	0	1.53	11.8	14.4	15.7	3.78	0	---	---	6.76	1978
1979	---	---	---	0	2.41	17.8	18.3	17.5	4.19	0	---	---	8.61	1979
1980	---	---	3.18	11.8	14.6	18.8	19.3	18.7	6.65	0	---	---	12.8	1980
1981	---	---	11.6	9.93	15.7	18.6	19.0	17.7	15.6	0	---	---	13.8	1981
1982	---	---	0	0	14.6	15.0	16.6	0	0	0	---	---	6.63	1982
MEAN	---	---	2.52	2.80	10.3	13.7	15.7	14.9	8.19	0.957	0.354	---	9.59	MEAN

LOCATION - LAT 48 56 50 N
LONG 113 22 30 W   REGULATED   INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1919	---	11.6 ON MAY 15	0 ON APR 1 *	137 000	1919
1920	---	13.6 ON AUG 8	0 ON APR 1	87 800	1920
1921	---	12.1 ON JUN 18	0 ON APR 1	67 900	1921
1922	---	13.6 ON AUG 16	0 ON APR 1	83 700	1922
1923	---	15.5 ON JUL 16	0 ON APR 1	102 000	1923
1924	---	15.8 ON AUG 22	0 ON APR 1	113 000	1924
1925	---	14.9 ON AUG 20	0 ON APR 1	173 000	1925
1926	---	14.5A ON MAY 25	0 ON APR 1	124 000	1926
1927	---	13.5 ON JUL 17	0 ON APR 1	---	1927
1928	---	15.6 ON JUN 17	0 ON APR 1	89 100	1928
1929	---	13.7 ON JUL 10	0 ON APR 1	126 000	1929
1930	---	15.1 ON JUN 29	0 ON APR 1	111 000	1930
1931	---	16.2 ON JUN 30	0 ON APR 1	165 000	1931
1932	---	17.3 ON AUG 12	0 ON APR 1	194 000	1932
1933	---	18.0 ON JUL 17	0 ON APR 1	186 000	1933
1934	---	20.0 ON JUL 5	0 ON APR 1	203 000	1934
1935	---	20.8 ON JUL 21	0 ON APR 1	196 000	1935
1936	---	21.7 ON JUN 19 *	0 ON APR 1	190 000	1936
1937	---	20.4 ON AUG 2	0 ON APR 1	175 000	1937
1938	---	20.4 ON JUL 8	0 ON APR 1	201 000	1938
1939	---	19.9 ON JUN 2	0 ON APR 1	196 000	1939
1940	---	19.6 ON JUL 27	0 ON APR 1	151 000	1940
1941	---	19.2 ON JUN 3	0 ON APR 1	158 000	1941
1942	---	19.5 ON JUL 25	0 ON APR 1	206 000	1942
1943	---	15.8 ON JUL 22	0 ON APR 1	146 000	1943
1944	---	17.0 ON JUL 24	0 ON APR 1	137 000	1944
1945	---	17.1 ON JUN 24	0 ON APR 1	219 000	1945
1946	---	17.7 ON JUN 6	0 ON APR 1	239 000	1946
1947	---	16.8 ON JUL 10	0 ON APR 1	171 000	1947
1948	---	16.1 ON JUL 20	0 ON APR 1	142 000	1948
1949	---	16.6 ON MAY 30	0 ON APR 1	188 000	1949
1950	---	15.4 ON OCT 7	0 ON APR 1	189 000	1950
1951	---	16.8 ON AUG 9	0 ON APR 1	104 000	1951
1952	---	16.7 ON AUG 31	0 ON APR 1	132 000	1952
1953	---	16.2 ON MAY 25	0 ON APR 1	144 000	1953
1954	---	17.2 ON AUG 29	0 ON APR 1	132 000	1954
1955	---	18.1 ON JUL 17	0 ON APR 1	137 000	1955
1956	---	17.8 ON MAY 20	0 ON APR 1	241 000	1956
1957	---	18.2 ON MAY 21	0 ON APR 1	213 000	1957
1958	---	18.6 ON MAY 25	0 ON APR 1	213 000	1958
1959	---	19.1 ON JUL 22	0 ON APR 1	273 000	1959
1960	---	19.2 ON JUN 18	0 ON APR 1	215 000	1960
1961	---	20.0 ON MAY 27	0 ON APR 1	253 000	1961
1962	---	20.0 ON JUN 14	0 ON APR 1	234 000	1962
1963	---	20.7 ON JUN 14	0 ON APR 1	277 000	1963
1964	---	20.1 ON SEP 6	0 ON APR 1	214 000	1964
1965	---	19.4 ON JUN 20	0 ON APR 1	164 000	1965
1966	---	20.0 ON JUN 21	0 ON APR 1	229 000	1966
1967	---	19.7 ON JUL 8	0 ON APR 1	159 000	1967
1968	---	20.1 ON JUN 23	0 ON APR 1	267 000	1968
1969	---	20.1 ON JUN 7	0 ON APR 1	207 000	1969
1970	---	20.0 ON JUN 4	0 ON APR 1	204 000	1970
1971	---	20.5 ON JUL 25	0 ON APR 1	204 000	1971
1972	---	20.4 ON JUN 3	0 ON APR 1	249 000	1972
1973	---	20.4 ON JUN 10	0 ON SEP 15	188 000	1973
1974	---	20.3 ON MAY 10	0 ON SEP 30	254 000	1974
1975	---	19.5 ON SEP 1	0 ON APR 1	122 000	1975
1976	---	20.3 ON JUL 7	0 ON APR 1	256 000	1976
1977	---	19.7 ON MAY 17	0 ON APR 1	126 000	1977
1978	---	18.7 ON JUN 30	0 ON APR 1	125 000	1978
1979	---	19.5 ON JUN 15	0E ON APR 1	159 000	1979
1980	---	19.9 ON MAY 1	0 ON SEP 16	238 000	1980
1981	---	19.6 ON JUN 12	0 ON OCT 1	255 000	1981
1982	---	19.6 ON JUN 28	0E ON APR 1	123 000	1982
				177 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	17.5	13.5	9.69	5.65	---	1902
1903	4.67	3.96	3.40	16.1	48.9	148	82.9	39.8	31.4	26.0	15.1	12.4	36.1	1903
1904	6.34	5.80	5.66	20.5	57.3	83.1	53.9	26.4	11.9	6.26	3.67	4.69	23.8	1904
1905	2.55	2.12	5.32	8.61	34.5	69.8	46.6	24.0	10.5	21.9	8.43	6.80	20.2	1905
1906	2.83	2.69	3.54	13.6	42.7	64.8	51.8	26.8	17.8	21.4	31.2	10.2	24.2	1906
1907	4.25	5.66	7.36	13.9	54.7	121	88.2	37.8	34.4	17.9	6.91	4.45	33.1	1907
1908	2.97	5.66	9.34	23.9	70.4	212	70.5	23.6	13.1	13.6	10.5	5.66	38.4	1908
1909	4.25	4.81	5.66	9.91	53.9	146	85.0	41.3	18.1	12.7	15.6	5.66	33.7	1909
1910	4.25	4.53	10.3	33.6	65.6	63.5	33.3	16.4	15.7	29.3	21.0	8.32	25.6	1910
1911	5.96	5.36	5.54	14.4	57.6	98.3	47.5	29.8	38.7	17.6	9.80	5.52	28.1	1911
1912	4.81	3.96	3.68	15.3	57.5	66.5	44.8	25.1	14.9	12.0	12.2	7.05	22.4	1912
1913	4.46	3.64	5.40	21.2	54.2	128	57.3	32.9	16.3	12.7	10.5	5.39	29.4	1913
1914	3.62	2.56	5.20	18.0	63.2	65.1	40.5	20.4	16.5	23.8	19.9	7.24	24.0	1914
1915	4.75	3.32	4.45	16.3	46.6	63.8	48.8	27.4	23.9	20.9	14.3	6.88	23.5	1915
1916	5.25	10.7	14.6	18.8	48.3	131	98.1	34.8	26.8	11.1	9.19	6.22	34.6	1916
1917	4.92	3.69	3.73	12.8	62.7	116	62.5	14.1	10.8	10.7	7.03	4.75	26.2	1917
1918	20.6	5.19	5.15	18.7	53.1	79.7	22.5	14.4	13.0	11.2	7.33	4.60	21.3	1918
1919	4.25	3.83	3.48	7.54	45.0	39.5	18.4	11.2	7.23	4.11	4.68	5.06	12.9	1919
1920	5.11	6.49	7.34	12.1	47.1	80.4	50.9	19.1	17.4	17.5	8.16	6.23	23.2	1920
1921	4.21	4.93	10.4	18.3	72.1	92.2	35.8	18.5	12.9	25.0	9.98	8.81	26.2	1921
1922	4.89	3.94	2.86	7.87	58.6	101	29.8	16.5	10.6	8.64	6.66	4.23	21.3	1922
1923	4.70	3.67	3.04	11.9	58.7	71.5	30.6	18.3	27.2	15.9	7.74	3.83	21.5	1923
1924	3.08	5.75	3.89	11.1	44.3	65.1	43.1	15.4	10.8	9.33	9.01	7.17	19.0	1924
1925	5.04	7.08	7.98	28.3	74.8	84.7	36.6	19.2	13.8	16.7	6.88	4.55	25.5	1925
1926	1.73	2.88	3.79	12.4	22.1	19.7	15.9	8.60	16.3	24.9	12.1	7.96	12.4	1926
1927	4.48	4.30	4.22	13.5	78.4	147	66.5	29.5	42.8	32.7	23.7	8.97	38.1	1927
1928	7.93	4.85	11.8	15.7	101	64.3	64.3	20.5	13.6	27.4	12.6	6.28	29.4	1928
1929	3.34	3.02	5.47	8.28	44.4	60.6	23.3	10.9	6.85	6.42	4.03	2.40	15.0	1929
1930	2.56	6.08	7.19	36.9	58.3	60.4	23.3	11.2	9.36	7.81	4.88	2.84	19.3	1930
1931	1.72	3.44	3.26	4.60	37.4	31.2	16.4	13.3	11.6	7.92	5.85	5.35	11.9	1931
1932	2.93	6.12	12.0	11.6	44.9	61.3	26.7	12.3	10.2	7.88	7.43	6.16	17.5	1932
1933	5.19	2.59	2.90	10.5	43.1	92.3	40.1	16.2	12.8	14.5	26.6	12.7	23.3	1933
1934	15.7	11.6	11.5	37.7	71.6	65.6	20.4	12.3	9.38	7.07	22.0	8.00	24.4	1934
1935	7.89	11.1	8.45	11.9	35.4	48.1	25.5	15.0	8.50	5.58	2.59	2.13	15.2	1935
1936	2.45	1.18	3.68	12.5	39.0	37.8	16.4	9.35	5.25	3.66	2.32	3.52	11.4	1936
1937	3.11	2.93	3.22	5.42	29.0	81.3	25.1	11.5	7.42	7.35	10.7	4.43	16.0	1937
1938	3.50	3.59	4.10	11.2	52.6	69.4	30.4	11.7	11.9	6.97	6.66	4.71	18.1	1938
1939	3.94	3.15	7.47	11.3	35.4	26.0	19.3	10.9	6.19	3.26	2.31	3.33	11.1	1939
1940	3.10	2.26	3.98	7.32	31.2	30.5	16.2	8.11	9.01	9.20	4.05	3.80	10.8	1940
1941	3.04	2.24	2.38	6.45	19.2	19.7	17.1	8.70	11.1	12.9	7.79	13.2	10.4	1941
1942	5.54	3.72	3.28	11.2	28.3	71.3	34.6	16.1	12.1	14.4	7.53	5.78	17.9	1942
1943	3.52	3.84	3.33	26.1	50.9	95.0	56.4	19.1	10.8	7.47	4.42	2.81	23.7	1943
1944	1.57	2.19	2.18	4.11	21.6	25.9	16.3	11.9	8.72	8.17	5.21	3.26	9.28	1944
1945	2.62	2.61	2.77	3.89	32.0	69.4	27.4	10.5	8.84	9.67	10.9	4.93	15.5	1945
1946	3.85	3.18	4.24	13.7	41.5	47.1	27.1	12.6	11.4	11.4	10.2	5.50	16.0	1946
1947	4.97	5.69	8.37	27.8	63.4	54.3	28.2	13.8	12.0	26.9	13.2	4.69	22.0	1947
1948	3.67	2.74	3.42	16.7	76.2	144	29.5	15.8	9.19	7.78	3.05	2.30	26.2	1948
1949	1.86	2.33	3.57	9.68	40.8	41.4	18.9	10.2	10.5	8.87	9.11	10.5	14.0	1949
1950	5.22	4.00	5.43	14.7	54.4	115	64.3	22.9	10.1	17.1	23.7	11.5	29.1	1950
1951	8.13	7.39	7.37	19.2	94.1	88.6	73.1	23.8	40.5	45.0	12.7	6.47	35.7	1951
1952	4.17	4.28	5.15	23.4	60.1	57.1	28.1	16.2	7.91	4.78	3.04	2.22	18.1	1952
1953	4.95	6.91	5.91	12.8	59.9	145	62.6	20.1	11.5	8.34	5.48	3.69	28.9	1953
1954	3.37	4.95	4.44	14.9	85.6	80.5	67.1	20.3	32.7	27.8	13.4	7.40	30.4	1954
1955	3.33	3.09	2.43	6.10	32.3	92.0	44.8	16.1	16.1	23.2	12.9	6.38	21.6	1955
1956	5.50	3.59	4.91	10.0	64.7	76.8	32.2	15.9	9.64	10.4	6.56	4.53	20.4	1956
1957	3.58	3.23	3.96	5.64	70.4	62.4	17.0	10.5	5.81	6.99	7.52	4.19	16.8	1957
1958	2.16	3.08	4.05	8.13	48.3	59.1	21.3	11.9	10.3	10.9	8.36	7.77	16.3	1958
1959	7.04	5.01	6.12	13.6	46.2	85.0	35.2	16.1	21.6	28.0	14.6	8.67	24.0	1959
1960	5.21	3.60	4.51	13.8	24.6	55.7	27.2	14.7	8.89	5.02	5.15	3.84	14.3	1960
1961	2.89	3.86	4.98	8.56	38.3	69.1	24.5	12.2	7.90	14.9	7.34	3.94	16.6	1961
1962	3.40	4.46	3.53	14.8	31.2	40.7	23.1	13.7	10.8	10.2	10.8	8.43	14.6	1962
1963	4.50	8.14	4.52	7.48	29.7	54.9	29.0	11.8	9.15	6.27	3.94	3.49	14.4	1963
1964	2.10	3.04	2.53	4.40	33.6	153	45.1	11.1	12.2	22.0	9.64	4.30	25.2	1964
1965	3.65	4.64	4.54	14.5	56.0	90.1	39.1	17.7	19.8	20.3	10.9	5.61	23.9	1965
1966	4.81	3.21	4.46	17.1	40.5	62.6	33.8	14.1	10.1	8.53	6.28	5.25	17.6	1966
1967	4.15	3.90	4.22	6.30	76.4	108	42.2	16.0	8.41	6.14	9.38	5.59	24.3	1967
1968	4.70	6.28	6.99	6.86	32.1	52.4	27.0	16.1	28.2	18.5	9.77	5.38	17.9	1968
1969	4.46	4.14	6.05	21.0	39.3	62.5	32.2	10.7	8.14	10.8	6.41	3.71	17.5	1969
1970	3.00	3.01	3.59	6.18	44.9	102	25.8	13.0	8.33	6.48	4.32	4.90	18.8	1970
1971	4.09	7.23	4.65	11.8	70.3	91.1	40.4	17.6	11.7	9.24	6.19	3.82	23.2	1971
1972	2.82	3.38	14.5	17.0	71.2	88.4	43.2	22.1	13.0	12.5	5.23	3.46	24.8	1972
1973	4.24	4.37	3.42	5.46	28.5	41.9	20.0	11.9	6.66	5.21	10.1	5.90	12.3	1973
1974	8.40	6.86	5.27	11.9	36.7	95.8	53.5	21.4	15.1	4.93	3.36	3.46	22.3	1974
1975	2.45	2.67	2.76	3.86	39.6	168	75.8	20.4	22.0	18.0	12.0	14.2	31.9	1975
1976	6.69	5.08	4.84	15.7	53.6	37.9	34.7	22.9	13.8	8.61	3.10	2.89	17.5	1976
1977	2.56	2.57	2.45	6.70	23.9	23.7	15.5	13.8	16.3	6.39	4.80	5.95	10.4	1977
1978	3.66	2.85	3.32	11.7	54.8	66.2	48.3	23.0	33.7	16.4	8.59	4.42	23.2	1978
1979	2.66	2.53	6.62	11.2	63.6	50.3	24.5	11.1	9.89	3.78	2.83	2.98	16.1	1979
1980	2.39	2.04	1.81	9.64	54.7	41.2	20.2	12.5	18.8	10.2	9.26	7.35	15.9	1980
1981	10.7	6.01	3.99	10.6	51.3	43.4	30.8	13.9	7.88	4.97	3.01	2.45	15.8	1981
1982	1.77	3.46	4.87	7.37	39.5	71.7	57.1	18.5	8.30	8.21	5.08	3.17	19.2	1982
MEAN	4.51	4.38	5.28	13.4	50.2	77.3	39.0	17.6	14.6	13.3	9.26	5.73	21.3	MEAN

LOCATION - LAT 49 00 10 N
LONG 113 18 50 W

DRAINAGE AREA, 1 210 km²
REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	---	---	---	---	1902
1903	---	175 ON JUN 8	3.40 B ON MAR 1	1 140 000	1903
1904	---	110 ON JUN 7	3.11 ON NOV 7	753 000	1904
1905	---	92.6 ON JUN 7	2.12 B ON FEB 1	637 000	1905
1906	---	75.3 ON JUN 5	2.69 B ON FEB 1	763 000	1906
1907	---	159 ON JUN 23	3.40 E ON DEC 26	1 040 000	1907
1908	1 130 E ON JUN 5 *	793 E ON JUN 5 *	2.97 E ON JAN 1	1 210 000	1908
1909	---	186 ON JUN 4	4.25 E ON JAN 1	1 060 000	1909
1910	---	83.8 ON MAY 27	3.40 B ON DEC 31	807 000	1910
1911	---	110 ON JUN 13	2.83 B ON DEC 31	884 000	1911
1912	---	98.5 ON MAY 21	3.68 E ON MAR 1	707 000	1912
1913	---	152 ON JUN 2	2.21 B ON DEC 31	927 000	1913
1914	---	88.3 ON JUN 4	1.98 B ON FEB 5	756 000	1914
1915	83.0 ON JUN 26	75.6 ON JUN 26	2.63 B ON FEB 22	743 000	1915
1916	253 ON JUN 22	244 ON JUN 22	4.22 B ON JAN 9	1 090 000	1916
1917	---	147 ON JUN 11	2.83 B ON JAN 30	827 000	1917
1918	147 ON JUN 14	141 ON JUN 14	3.26 B ON MAR 1	673 000	1918
1919	124 ON MAY 30	122 ON MAY 30	1.30 B ON DEC 1	407 000	1919
1920	130 AT 11:00 MST ON JUN 18	126 ON JUN 18	1.36 B ON JAN 24	732 000	1920
1921	150 AT 15:00 MST ON MAY 26	139 ON MAY 26	3.14 B ON FEB 6	826 000	1921
1922	149 AT 09:30 MST ON JUN 7	149 ON JUN 7	2.55 B ON MAR 26	673 000	1922
1923	99.4 AT 11:00 MST ON JUN 11	97.4 ON JUN 11	2.49 B ON MAR 6	677 000	1923
1924	85.8 AT 11:30 MST ON JUN 17	84.4 ON JUN 17	2.32 B ON JAN 5	602 000	1924
1925	141 AT 22:00 MST ON MAY 23	135 ON MAY 24	3.68 B ON DEC 25	805 000	1925
1926	---	46.2 ON OCT 20	1.36 B ON JAN 31	391 000	1926
1927	220 AT 16:00 MST ON JUN 11	212 ON JUN 11	2.38 B ON MAR 24	1 200 000	1927
1928	151 AT 17:00 MST ON MAY 27	149 ON MAY 27	4.11 B ON FEB 21	929 000	1928
1929	106 AT 16:30 MST ON MAY 25	102 ON MAY 26	1.47 B ON DEC 10	472 000	1929
1930	89.5 AT 20:00 MST ON JUN 12	86.4 ON JUN 12	0.787B ON DEC 18	607 000	1930
1931	69.1 AT 07:00 MST ON MAY 18	66.3 ON MAY 18	1.64 B ON JAN 12	375 000	1931
1932	---	86.1A ON JUN 18	1.95 B ON JAN 18	552 000	1932
1933	118 AT 19:00 MST ON JUN 9	117 ON JUN 6	1.70 B ON MAR 7	735 000	1933
1934	140 AT 22:00 MST ON JUN 8	136 ON JUN 8	5.61 A ON OCT 11	770 000	1934
1935	86.7 AT 17:30 MST ON MAY 24	84.7 ON MAY 25	1.44 B ON NOV 2	479 000	1935
1936	83.5 AT 10:30 MST ON JUN 3	82.1 ON JUN 3	0.453B ON NOV 29 *	363 000	1936
1937	162 AT 18:45 MST ON JUN 13	156 ON JUN 14	2.49 B ON MAR 23	503 000	1937
1938	135 AT 13:15 MST ON MAY 28	133 ON MAY 29	2.75 ON NOV 5	571 000	1938
1939	51.0 AT 19:00 MST ON MAY 24	44.2 ON MAY 25	0.787A ON NOV 5	350 000	1939
1940	47.6 AT 09:00 MST ON MAY 21	45.0 ON MAY 21	1.73 A ON NOV 3	340 000	1940
1941	30.6 AT 18:00 MST ON JUN 29	27.6 ON JUN 29	2.04 B ON FEB 13	327 000	1941
1942	131 AT 15:00 MST ON JUN 8	129 ON JUN 8	2.38 B ON FEB 27	563 000	1942
1943	148 AT 11:00 MST ON JUN 20	144 ON JUN 20	1.30 B ON DEC 31	747 000	1943
1944	37.4 AT 12:00 MST ON JUN 27	36.0 ON MAY 20	1.10 B ON JAN 4	293 000	1944
1945	106 AT 06:45 MST ON JUN 6	105 ON JUN 6	2.04 B ON FEB 4	488 000	1945
1946	64.3 AT 17:30 MST ON MAY 29	62.9 ON MAY 29	2.15 B ON FEB 2	505 000	1946
1947	88.1 AT 24:00 MST ON MAY 11	86.4 ON MAY 11	3.62 B ON JAN 31	695 000	1947
1948	281 AT 15:30 MST ON JUN 17	238 ON JUN 17	1.33 B ON FEB 5	827 000	1948
1949	72.8 AT 16:00 MST ON MAY 14	62.3 ON MAY 31	1.64 B ON JAN 8	442 000	1949
1950	149 AT 07:00 MST ON JUN 25	145 ON JUN 25	2.41 B ON FEB 10	917 000	1950
1951	261 AT 14:30 MST ON JUN 24	198 ON JUN 24	4.79 B ON DEC 31	1 130 000	1951
1952	88.6 AT 00:30 MST ON OCT 5	81.6 ON JUN 12	1.47 B ON DEC 19	571 000	1952
1953	328 AT 15:00 MST ON JUN 3	266 ON JUN 4	1.02 B ON DEC 7	912 000	1953
1954	166 AT 17:00 MST ON MAY 22	162 ON MAY 22	0.850B ON APR 2	958 000	1954
1955	132 AT 16:00 MST ON JUN 25	129 ON JUN 26	0.708B ON MAR 24	682 000	1955
1956	154 AT 14:00 MST ON MAY 24	151 ON MAY 24	1.98 B ON FEB 23	646 000	1956
1957	101 AT 18:30 MST ON MAY 8	98.3 ON MAY 8	1.70 B ON FEB 19	531 000	1957
1958	90.6 AT 11:00 MST ON JUN 12	89.5 ON JUN 12	1.42 B ON JAN 13	515 000	1958
1959	123 AT 02:30 MST ON JUN 8	121 ON JUN 7	3.96 B ON MAR 8	756 000	1959
1960	83.5 AT 22:00 MST ON JUN 5	81.8 ON JUN 5	1.70 B ON MAR 14	453 000	1960
1961	103 AT 22:30 MST ON MAY 30	98.8 ON MAY 31	2.46 B ON JAN 19	523 000	1961
1962	55.5 AT 20:00 MST ON JUN 5	48.4 ON MAY 31	2.55 B ON JAN 24	460 000	1962
1963	90.6 AT 24:00 MST ON JUN 12	72.5 ON JUN 11	2.44 B ON JAN 9	454 000	1963
1964	595 AT 16:30 MST ON JUN 8	481 ON JUN 9	0.934B ON JAN 21	797 000	1964
1965	148 AT 15:00 MST ON JUN 20	146 ON JUN 20	3.11 B ON JAN 23	755 000	1965
1966	148 AT 18:00 MST ON JUN 4	125 ON JUN 4	2.72 B ON MAR 1	555 000	1966
1967	167 AT 19:00 MST ON MAY 31	163 ON MAY 31	3.00 B ON MAR 12	767 000	1967
1968	71.4 AT 19:15 MDT ON JUN 7	67.7 ON JUN 7	3.74 B ON JAN 9	565 000	1968
1969	117 AT 12:15 MDT ON JUN 27	108 ON JUN 27	2.80 B ON MAR 11	551 000	1969
1970	182 AT 16:00 MDT ON JUN 13	165 ON JUN 14	2.32 B ON JAN 16	593 000	1970
1971	162 AT 10:15 MST ON MAY 31	158 ON MAY 31	2.94 B ON DEC 31	732 000	1971
1972	141 AT 12:15 MST ON JUN 12	138 ON JUN 12	1.84 B ON JAN 10	784 000	1972
1973	72.5 AT 04:45 MST ON JUN 10	70.5 ON JUN 10	2.58 ON MAR 29	389 000	1973
1974	187 AT 10:00 MST ON JUN 19	180 ON JUN 19	2.52 B ON DEC 31	701 000	1974
1975	660 AT 04:00 MST ON JUN 21	470 ON JUN 21	1.67 B ON MAR 6	1 010 000	1975
1976	90.9 AT 18:00 MST ON MAY 13	87.2 ON MAY 14	2.58 B ON NOV 26	554 000	1976
1977	39.1 AT 14:00 MDT ON JUN 9	38.2 ON JUN 9	2.01 B ON MAR 20	329 000	1977
1978	116 AT 10:00 MST ON JUN 10	114 ON JUN 10	2.35 B ON MAR 16	731 000	1978
1979	144 AT 12:30 MDT ON MAY 28	140 ON MAY 28	1.59 B ON NOV 29	506 000	1979
1980	140 AT 13:30 MDT ON MAY 26	125 ON MAY 26	0.850B ON MAR 17	503 000	1980
1981	107 AT 22:00 MDT ON MAY 22	99.4 ON MAY 23	1.70 B ON DEC 31	498 000	1981
1982	102 AT 02:00 MDT ON MAY 28	101 ON MAY 28	1.44 B ON JAN 6	605 000	1982
				671 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	20.7	7.12	---	1911
1912	6.21	4.98	---	---	56.0	58.7	48.7	22.1	12.3	13.6	14.8	7.68	---	1912
1913	2.48	3.06	5.70	34.7	56.7	118	52.6	26.7	9.62	12.7	10.4	5.59	28.2	1913
1914	5.41	3.65	9.52	22.3	52.5	50.8	28.1	10.9	9.01	30.2	25.2	5.75	21.2	1914
1915	5.10	5.29	25.4	19.9	49.4	77.8	56.3	29.8	25.7	26.5	20.9	9.23	29.4	1915
1916	4.32	21.4	23.2	24.4	55.5	147	114	39.8	29.0	15.5	7.89	4.75	40.6	1916
1917	4.98	5.45	5.17	28.2	66.8	129	58.5	10.5	5.99	---	8.28	5.50	---	1917
1918	25.6	7.04	13.8	22.3	53.5	73.2	10.8	---	---	---	7.39	4.65	---	1918
1919	4.44	4.29	5.69	9.15	36.2	24.4	3.26	1.50	0.856	2.84	4.70	5.22	8.57	1919
1920	5.62	7.02	13.8	22.4	63.9	72.5	38.5	7.39	6.26	6.97	8.17	6.18	21.6	1920
1921	5.09	5.96	11.8	22.2	58.9	78.4	15.7	2.06	1.75	12.2	11.2	9.35	19.6	1921
1922	4.93	3.83	3.26	9.83	55.6	88.3	23.4	3.61	2.14	4.11	7.11	4.11	17.5	1922
1923	4.79	3.34	4.59	12.3	45.9	74.5	24.0	8.05	19.7	7.33	8.26	4.22	18.1	1923
1924	2.71	6.96	5.81	14.4	35.0	62.1	28.6	4.60	1.64	3.22	9.05	8.11	15.2	1924
1925	6.61	6.84	15.7	40.0	70.6	68.1	21.4	4.71	4.08	15.2	7.28	5.75	22.2	1925
1926	2.30	3.42	3.99	8.46	8.28	6.32	4.13	0.900	7.81	25.3	13.1	7.78	7.67	1926
1927	5.24	5.07	7.88	18.5	107	167	64.0	22.2	39.3	35.6	26.4	11.0	42.5	1927
1928	36.2	6.60	25.9	22.7	98.4	67.6	83.5	16.8	4.79	28.2	13.2	6.79	34.4	1928
1929	3.76	3.92	20.2	16.3	43.3	70.3	14.4	1.76	1.11	2.01	4.66	3.85	15.5	1929
1930	3.74	10.3	10.3	35.9	56.5	45.9	5.48	0.952	2.65	7.03	5.07	3.53	15.6	1930
1931	1.86	3.67	3.41	2.53	19.6	13.4	1.24	1.44	2.31	2.46	4.86	5.76	5.21	1931
1932	---	---	13.6	13.5	44.3	51.3	10.4	0.869	1.89	4.00	7.61	6.62	---	1932
1933	5.53	3.25	4.88	13.4	45.6	82.3	20.1	1.26	2.17	10.3	28.9	12.3	19.2	1933
1934	20.0	17.1	17.7	40.2	59.3	65.9	8.50	0.683	1.31	4.21	23.9	8.21	22.2	1934
1935	10.6	16.8	9.35	16.6	30.9	31.9	4.44	2.61	0.659	1.92	3.22	2.64	10.9	1935
1936	2.68	1.22	8.25	16.2	30.0	24.0	0.693	0.510	0.429	0.676	3.39	2.29	7.53	1936
1937	2.91	2.78	4.97	7.90	12.0	73.9	5.49	1.30	1.10	7.13	10.0	5.14	11.2	1937
1938	4.03	3.64	5.72	10.8	46.3	55.5	15.2	1.32	3.67	4.54	8.36	4.87	13.7	1938
1939	4.45	3.70	8.80	7.96	16.3	24.4	7.12	0.492	0.596	1.32	1.19	3.03	6.62	1939
1940	2.69	2.63	7.12	7.03	22.1	7.12	1.36	0.696	1.14	2.00	4.39	4.13	5.22	1940
1941	3.50	3.01	4.44	5.16	6.82	11.3	3.01	0.402	2.14	10.1	5.88	10.8	5.56	1941
1942	8.11	3.93	5.30	13.9	23.7	81.0	26.8	9.10	5.77	10.5	7.80	6.38	16.9	1942
1943	3.12	4.09	12.8	32.5	48.4	91.2	42.7	3.11	1.14	1.99	5.66	2.94	20.8	1943
1944	1.74	1.99	2.87	3.46	2.93	7.21	2.36	0.610	0.342	2.36	5.15	3.50	2.87	1944
1945	3.10	3.04	4.44	2.28	21.4	76.5	14.5	0.454	0.528	3.00	9.94	5.27	12.0	1945
1946	4.54	3.97	7.50	11.5	20.8	38.5	9.93	0.210	0.896	5.98	10.8	7.19	10.1	1946
1947	6.00	7.62	23.4	31.0	62.3	48.9	9.43	3.66	11.1	18.7	11.1	4.77	19.9	1947
1948	4.37	3.02	7.51	32.1	89.7	151	18.7	5.52	1.13	1.01	3.92	1.63	26.5	1948
1949	1.38	2.47	7.11	9.77	25.5	32.8	1.80	0.642	0.723	3.32	8.58	10.3	8.70	1949
1950	6.32	4.54	8.58	18.1	48.6	102	51.8	5.51	0.902	9.53	26.7	11.2	24.5	1950
1951	10.4	9.43	18.5	31.2	55.3	86.8	88.1	67.2	49.5	59.5	44.5	4.51	43.9	1951
1952	0.142	0.142	4.26	12.6	31.9	46.2	37.3	33.8	6.54	1.89	1.08	0.763	14.8	1952
1953	0.684	0.900	3.06	2.75	19.4	187	43.0	35.0	12.0	11.2	6.47	4.69	27.1	1953
1954	1.30	0.955	0.864	15.0	62.5	49.8	8.83	9.79	31.1	53.1	33.9	18.7	23.9	1954
1955	1.77	0.579	2.15	25.6	32.0	28.1	40.2	12.5	6.71	33.1	27.2	17.8	19.1	1955
1956	7.47	5.39	8.08	5.95	13.2	27.2	36.5	20.5	22.7	20.5	10.8	5.07	15.3	1956
1957	0.187	0.907	2.71	6.80	11.3	25.1	4.52	2.49	2.31	8.43	8.06	0.476	6.11	1957
1958	0.164	0.153	2.03	20.1	1.09	28.1	9.99	2.83	1.17	2.90	8.03	0.425	6.38	1958
1959	1.33	13.7	16.7	9.69	29.2	49.5	15.7	4.06	9.45	3.12	24.9	10.0	15.5	1959
1960	7.23	6.72	14.6	21.4	25.2	10.8	2.82	1.94	1.15	1.25	1.03	0.760	7.92	1960
1961	0.344	0.516	1.06	0.853	1.44	1.36	1.51	0.978	1.69	1.26	0.637	0.049	0.979	1961
1962	2.08	4.12	10.3	12.4	1.86	1.13	1.38	1.31	1.11	1.10	1.59	0.262	3.21	1962
1963	0.107	0.592	1.32	0.736	0.665	2.89	21.0	2.02	0.822	1.16	1.69	0.964	2.86	1963
1964	0.412	0.416	0.544	2.09	66.4	110	9.51	3.66	0.973	0.963	1.50	3.87	16.7	1964
1965	1.66	4.37	6.59	36.2	66.5	83.9	46.9	8.09	17.6	31.3	6.36	5.93	26.4	1965
1966	6.48	5.04	10.7	26.1	37.9	51.7	31.1	5.76	16.1	2.43	2.80	1.74	16.5	1966
1967	3.08	6.21	13.3	30.3	106	123	17.3	2.47	2.16	1.39	2.86	0.538	25.7	1967
1968	0.648	0.634	1.34	2.81	8.87	40.2	3.50	8.81	38.5	13.4	39.4	6.49	13.6	1968
1969	0.630	1.58	10.7	24.9	27.8	23.2	35.0	13.8	1.71	1.77	1.54	0.795	12.0	1969
1970	0.824	0.976	1.13	1.75	28.9	35.8	25.6	9.02	2.15	1.91	2.06	6.10	9.75	1970
1971	6.95	6.34	4.51	9.89	36.8	65.6	14.2	7.26	6.06	9.41	4.74	3.08	14.6	1971
1972	3.66	4.22	37.3	30.1	68.3	80.0	12.1	15.0	2.55	11.3	9.63	2.93	23.1	1972
1973	4.50	4.16	4.19	2.26	2.88	8.84	3.97	3.30	3.93	9.06	3.79	0.663	4.29	1973
1974	0.828	2.44	3.79	5.76	29.1	44.9	11.6	9.52	14.3	3.11	4.33	0.927	10.9	1974
1975	0.934	1.03	1.23	6.84	61.9	194	67.8	10.1	40.0	17.0	1.71	9.29	34.3	1975
1976	11.7	10.3	12.2	3.37	17.5	4.94	8.50	28.7	9.97	11.1	4.73	2.78	10.5	1976
1977	2.77	4.22	2.17	1.92	2.27	2.67	2.78	2.33	1.97	2.47	2.16	1.45	2.42	1977
1978	1.18	1.36	7.38	3.66	35.1	55.2	16.5	13.4	62.8	37.1	8.48	2.25	20.4	1978
1979	2.36	2.00	26.8	23.4	56.2	22.9	4.76	4.77	3.67	4.77	3.09	1.90	13.1	1979
1980	1.93	2.10	2.50	3.13	22.0	47.3	8.20	6.72	3.42	11.7	4.61	8.01	10.1	1980
1981	9.85	1.63	1.46	1.39	59.8	35.2	3.59	4.30	3.06	3.79	6.65	3.38	11.2	1981
1982	2.60	2.45	3.46	12.5	10.2	29.5	24.0	4.35	2.98	11.8	11.9	5.52	10.1	1982
MEAN	4.75	4.52	8.81	15.3	39.1	58.5	22.7	8.72	8.63	10.7	9.96	5.24	16.1	MEAN

LOCATION - LAT 49 34 24 N   DRAINAGE AREA, 3 530 km²
LONG 112 50 38 W   REGULATED SINCE 1911

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	98.3 ON JUL 27	3.77 B ON MAR 16	---	1912
1913	---	168 ON JUN 3	1.30 ON OCT 5	891 000	1913
1914	---	67.1 ON MAY 24	1.59 B ON FEB 4	670 000	1914
1915	---	162 ON JUL 29	3.91 B ON MAR 3	928 000	1915
1916	---	254 ON JUN 22	3.68 B ON JAN 2	1 280 000	1916
1917	---	163 E ON JUN 13	4.11 B ON DEC 10	---	1917
1918	146 AT 10:00 MST ON JUN 16	141 ON JUN 16	1.90 B ON DEC 22	---	1918
1919	---	101 ON MAY 31	0.566 ON AUG 23	270 000	1919
1920	118 AT 11:00 MST ON JUN 19	112 ON JUN 19	1.39 ON SEP 13	682 000	1920
1921	113 AT 00:30 MST ON JUN 9	109 ON JUN 9	1.10 ON AUG 13	617 000	1921
1922	128 AT 12:00 MST ON JUN 8	126 ON JUN 8	1.06 B ON DEC 1	553 000	1922
1923	---	101 A ON JUN 22	2.32 B ON FEB 6	570 000	1923
1924	105 AT 12:00 MST ON JUN 8	91.5 ON JUN 9	1.09 B ON JAN 8	479 000	1924
1925	118 AT 16:00 MST ON MAY 24	116 ON MAY 25	1.22 A ON AUG 31	702 000	1925
1926	---	51.0 ON OCT 20	0.408 ON AUG 29	242 000	1926
1927	300 AT 03:30 MST ON MAY 30	261 ON MAY 30	4.13 B ON JAN 23	1 340 000	1927
1928	218 AT 06:00 MST ON JUL 2	206 ON JUL 2	1.98 ON OCT 1	1 090 000	1928
1929	175 AT 21:45 MST ON JUN 1	109 ON JUN 4	0.750 ON AUG 31	488 000	1929
1930	82.7 AT 11:30 MST ON MAY 5	80.1 ON MAY 5	0.569 ON JUL 18	491 000	1930
1931	46.7 ON MAY 18	42.8 ON MAY 19	0.340 ON JUL 25	164 000	1931
1932	224 AT 09:00 MST ON MAY 22	139 ON MAY 22	0.419 ON AUG 10	---	1932
1933	118 AT 08:00 MST ON JUN 10	112 ON JUN 7	0.411 ON AUG 16	604 000	1933
1934	159 E AT 12:00 MST ON JUN 9	156 E ON JUN 9	0.595B ON DEC 25	700 000	1934
1935	---	75.6 ON MAY 26	0.096A ON SEP 23	344 000	1935
1936	71.4 AT 01:00 MST ON APR 12	57.5 ON JUN 6	0 ON JUL 25 *	238 000	1936
1937	238 AT 01:30 MST ON JUN 14	196 ON JUN 14	0.583 ON SEP 21	352 000	1937
1938	140 AT 18:30 MST ON MAY 29	136 ON MAY 29	0.736 ON OCT 2	431 000	1938
1939	42.2 AT 18:00 MST ON MAY 25	38.2 ON MAY 26	0.396 ON SEP 5	209 000	1939
1940	36.8 AT 11:30 MST ON MAY 22	34.5 ON MAY 22	0.181 ON SEP 1	165 000	1940
1941	27.2 AT 16:00 MST ON JUN 5	26.7 ON JUN 5	0.125A ON AUG 14	176 000	1941
1942	175 AT 23:00 MST ON JUN 6	165 ON JUN 7	1.50 ON AUG 29	532 000	1942
1943	138 AT 22:00 MST ON JUN 21	136 ON JUN 21	0.411 ON SEP 30	657 000	1943
1944	21.3 AT 09:00 MST ON JUN 29	18.9 ON JUN 29	0.119 ON APR 29	90 700	1944
1945	125 AT 09:00 MST ON JUN 8	123 ON JUN 8	0.113 ON SEP 7	378 000	1945
1946	68.8 AT 19:30 MST ON JUN 7	62.9 ON JUN 8	0.062 ON AUG 13	320 000	1946
1947	96.6 AT 06:00 MST ON MAR 20	87.2 ON MAR 20	0.575 ON AUG 20	627 000	1947
1948	416 AT 08:30 MST ON JUN 18	362 ON JUN 18	0.507 ON OCT 28	839 000	1948
1949	59.7 AT 17:00 MST ON JUN 1	59.2 ON JUN 1	0.462 ON AUG 21	274 000	1949
1950	137 AT 09:00 MST ON JUN 26	133 ON JUN 26	0.269 ON SEP 7	772 000	1950
1951	167 AT 08:30 MST ON JUN 25	136 ON JUN 25	0.142B ON DEC 20	1 380 000	1951
1952	68.8 AT 06:30 MST ON JUN 16	67.4 ON JUN 15	0.113B ON DEC 19	467 000	1952
1953	442 AT 12:00 MST ON JUN 4	408 ON JUN 4	0.340B ON JAN 16	854 000	1953
1954	199 AT 13:00 MST ON MAY 21	175 ON MAY 22	0.255B ON JAN 12	753 000	1954
1955	108 ON JUN 28	104 ON JUL 4	0.198B ON MAR 4	602 000	1955
1956	113 AT 08:00 MST ON JUN 1	113 ON JUN 1	0.665 ON NOV 11	485 000	1956
1957	83.0 AT 20:00 MST ON MAY 23	81.6 ON MAY 23	0 B ON JAN 10	193 000	1957
1958	94.0 AT 17:00 MST ON JUN 12	88.6 ON JUN 13	0.028B ON JAN 12	201 000	1958
1959	114 AT 03:00 MST ON JUN 11	113 ON JUN 11	0.028B ON JAN 5	490 000	1959
1960	---	40.5 ON MAY 21	0.453B ON DEC 18	250 000	1960
1961	5.41 AT 14:00 MST ON JUN 19	2.80 ON JUN 6	0 B ON DEC 14	30 900	1961
1962	31.7 B AT 13:00 MST ON MAR 19	26.9 B ON MAR 19	0.003B ON DEC 19	101 000	1962
1963	106 AT 03:00 MST ON JUL 1	86.1 ON JUL 1	0.017B ON JAN 15	90 300	1963
1964	459 AT 04:00 MST ON JUN 11	447 ON JUN 11	0.218 ON OCT 5	527 000	1964
1965	123 AT 10:00 MST ON JUN 27	122 ON JUN 27	0.762B ON JAN 26	831 000	1965
1966	119 AT 19:00 MST ON JUN 6	118 ON JUN 7	0.425B ON DEC 1	521 000	1966
1967	---	185 E ON MAY 26	0.255B ON DEC 17	810 000	1967
1968	---	86.9 ON SEP 26	0.170B ON JAN 9	430 000	1968
1969	---	163 ON JUN 30	0.283B ON NOV 25	379 000	1969
1970	150 AT 14:33 MST ON JUN 16	147 ON JUN 16	0.204B ON NOV 24	307 000	1970
1971	---	166 ON JUN 1	0.799B ON DEC 7	459 000	1971
1972	141 AT 06:40 MST ON JUN 10	131 ON JUN 13	1.31 ON OCT 22	731 000	1972
1973	26.9 AT 00:30 MST ON JUN 22	26.3 ON JUN 21	0.207B ON DEC 16	135 000	1973
1974	90.9 AT 11:20 MST ON JUN 22	90.0 ON JUN 22	0.425B ON JAN 6	343 000	1974
1975	731 AT 21:50 MST ON JUN 20 *	702 ON JUN 21 *	0.691B ON FEB 2	1 080 000	1975
1976	53.0 AT 06:40 MST ON MAY 20	52.1 ON MAY 20	1.76 B ON NOV 20	333 000	1976
1977	12.0 B AT 11:10 MST ON FEB 27	6.20B ON FEB 21	0.311B ON NOV 21	76 300	1977
1978	95.4 AT 15:35 MST ON JUN 13	94.9 ON JUN 13	1.02 B ON JAN 3	643 000	1978
1979	116 AT 16:35 MST ON MAY 30	116 ON MAY 30	0.875B ON DEC 12	415 000	1979
1980	266 AT 02:35 MST ON MAY 27	242 ON MAY 27	1.60 B ON JAN 7	321 000	1980
1981	---	225 ON MAY 25	0.249B ON JAN 23	354 000	1981
1982	72.8 AT 10:30 MST ON JUN 10	69.8 ON JUN 9	2.06 B ON FEB 27	319 000	1982
				509 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.093	---	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	0.093	0.020	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 54 00 N
LONG 110 38 00 W   REGULATED

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 27 *	---	1915
1916	---	---	---	---	1916
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1974
1975	---	---	0.040	10.0	22.6	18.0	44.9	12.3	5.89	5.29	---	---	18.9	1975
1976	---	---	0.074	21.7	29.1	31.2	19.6	9.04	8.88	6.45	---	---	15.7	1976
1977	---	---	0.024	8.46	30.0	39.8	32.4	12.9	2.20	1.25	---	---	15.9	1977
1978	---	---	0.008	0.885	31.5	8.39	2.92	3.55	3.97	2.80	---	---	6.78	1978
1979	---	---	0.009	0.042	23.4	44.2	8.49	2.63	6.94	4.23	---	---	11.2	1979
1980	---	---	0	1.59	1.88	0.659	0.086	0.023	0.020	0.087	---	---	0.539	1980
1981	---	---	0.009	0.858	18.8	3.18	1.18	0.041	0.012	0.171	---	---	3.00	1981
1982	---	---	0.007	0.056	34.8	2.90	0.256	0.059	0.061	0.097	---	---	4.83	1982
MEAN	---	---	0.021	5.45	24.0	18.5	13.7	5.07	3.45	2.40	---	---	9.11	MEAN

LOCATION - LAT 59 34 00 N DRAINAGE AREA, 2 610 km^2
LONG 117 12 00 W NATURAL FLOW

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	100 AT 11:45 MST ON JUL 5 *	97.1 ON JUL 5 *	0.008B ON APR 9	316 000	1975
1976	66.5 AT 14:00 MST ON APR 29	66.3 ON APR 29	0.071B ON MAR 15	331 000	1976
1977	64.8 AT 11:00 MST ON JUN 12	64.6 ON JUN 12	0.023B ON MAR 2	336 000	1977
1978	65.1B AT 00:30 MST ON MAY 6	60.0 B ON MAY 6	0.001B ON MAR 1	144 000	1978
1979	94.6 AT 17:00 MST ON JUN 3	94.3 ON JUN 3	0.007B ON APR 1	237 000	1979
1980	11.5B AT 05:30 MST ON APR 24	7.30B ON APR 24	0 B ON MAR 1 *	11 400	1980
1981	33.9 AT 00:00 MST ON MAY 9	32.9 ON MAY 9	0.005B ON MAR 6	63 500	1981
1982	57.0 AT 19:30 MST ON MAY 7	55.4 ON MAY 7	0.003B ON MAR 1	102 000	1982
				193 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	3.02	2.07	0.763	---	1972
1973	0.519	---	---	---	---	---	---	---	---	---	---	1.30	---	1973
1974	0.609	0.607	0.576	19.2	25.6	12.4	8.86	7.80	4.12	5.33	1.80	0.959	7.35	1974
1975	0.641	0.438	0.415	2.65	13.8	14.0	27.3	15.3	30.2	17.4	2.77	0.719	10.5	1975
1976	0.518	0.415	0.469	8.23	5.65	3.17	4.18	5.52	10.7	7.51	2.06	0.461	4.07	1976
1977	0.355	0.355	0.431	6.32	7.22	7.20	5.47	2.94	2.32	2.61	0.809	0.304	3.04	1977
1978	0.352	0.354	0.315	3.01	10.9	5.66	2.24	7.76	23.4	16.4	4.58	1.18	6.36	1978
1979	0.595	0.406	0.369	0.826	30.1	10.6	3.80	4.86	6.97	4.89	2.59	0.742	5.61	1979
1980	0.368	0.214	0.370	3.63	1.81	2.07	0.802	6.08	13.7	7.53	2.52	0.615	3.30	1980
1981	0.457	0.431	0.477	2.92	5.64	3.54	6.78	1.47	0.168	0.758	0.949	0.385	2.01	1981
1982	0.228	0.174	0.206	3.00	18.4	4.42	1.53	2.43	2.34	1.32	0.834	0.390	2.97	1982
MEAN	0.464	0.377	0.403	5.53	13.2	7.01	6.77	6.02	10.4	6.68	2.10	0.711	5.02	MEAN

LOCATION - LAT 57 00 17 N DRAINAGE AREA, 1 360 km^2
LONG 111 24 53 W NATURAL FLOW

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	61.7 AT 10:35 MST ON APR 27	60.9 ON APR 27	0.498B ON MAR 27	232 000	1974
1975	56.6A AT 10:30 MST ON JUL 19	55.8A ON JUL 19	0.394B ON MAR 3	332 000	1975
1976	19.1 AT 09:40 MST ON AUG 29	18.9 ON AUG 29	0.382B ON DEC 26	129 000	1976
1977	16.2 AT 16:24 MST ON APR 22	13.0 ON MAY 31	0.255B ON DEC 18	95 700	1977
1978	33.7 AT 19:10 MST ON SEP 25	33.4 ON SEP 25	0.255B ON MAR 8	201 000	1978
1979	66.1 AT 20:55 MST ON MAY 21 *	65.2 ON MAY 20 *	0.310B ON APR 8	177 000	1979
1980	18.9 AT 01:00 MST ON SEP 24	18.2 ON SEP 22	0.140 ON JUL 16	109 000	1980
1981	11.9 AT 13:00 MST ON JUL 13	11.7 ON JUL 13	0.022 ON SEP 18 *	63 500	1981
1982	28.4B AT 09:25 MST ON MAY 8	25.2 ON MAY 11	0.160B ON FEB 8	93 600	1982
				159 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STINSON CREEK NEAR PEKISKO - STATION NO. 05BL007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	1.56	3.37	1.35	0.412	0.694	---	---	---	1912
1913	---	---	---	---	0.892	1.78	0.824	0.520	0.296	---	---	---	---	1913
1914	---	---	---	---	---	0.776	0.121	0	0.004	---	---	---	---	1914
1915	---	---	---	0.526	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	2.94	9.22	4.10	2.54	2.38	1.55	---	---	---	1916
1917	---	---	---	---	8.46	9.86	0.929	0.225	0.217	0.172	---	---	---	1917
1918	---	---	---	0.523	0.558	0.374	0.048	0.002	0.004	0.036	---	---	---	1918
1919	---	---	0.140	0.546	0.216	0.034	---	---	---	---	---	---	---	1919
1938	---	---	---	---	---	---	---	0.007	0	0	---	---	---	1938
1939	---	---	0.316	0.331	0.075	1.72	0.264	0.148	0.005	0.061	---	---	0.361	1939
1940	---	---	0.042	0.949	1.40	0.501	0.128	0.008	0.051	0.187	---	---	0.407	1940
1941	---	---	---	0.228	0.249	0.713	0.043	0.024	0.302	0.399	---	---	---	1941
1942	---	---	---	0.871	14.5	11.9	3.65	2.88	3.27	0.953	---	---	---	1942
1943	---	---	0.973	5.07	1.62	1.07	0.223	0.006	0	0	---	---	1.11	1943
1944	---	---	0.060	0.265	0.145	0.126	0.037	0	0	0	---	---	0.078	1944
1945	---	---	0.004	0.193	1.13	2.80	0.645	0.057	0.129	0.134	---	---	0.632	1945
1946	---	---	0.371	0.632	0.771	3.08	0.563	0.102	0.222	0.288	---	---	0.746	1946
1947	---	---	2.11	2.85	2.21	3.65	0.493	0.393	0.621	0.508	---	---	1.59	1947
1948	---	---	0.436	3.74	6.51	4.55	1.16	0.401	0.051	0.082	---	---	2.11	1948
1949	---	---	0	1.26	0.534	0.753	0.056	0.007	0	0	---	---	0.322	1949
1950	---	---	0.126	1.22	1.01	0.450	0.151	0.053	0	0	---	---	0.375	1950
1951	---	---	0.226	1.66	3.00	6.79	4.17	2.54	3.88	2.83	---	---	3.12	1951
1952	---	---	1.34	5.02	4.19	2.77	1.17	0.232	0.188	0.037	---	---	1.86	1952
1953	---	---	1.42	2.74	5.56	13.9	1.58	0.125	0.040	0.045	---	---	3.14	1953
1954	---	---	0.101	1.56	2.53	1.48	0.354	0.417	0.400	0.575	---	---	0.924	1954
1955	---	---	0.302	2.95	7.48	1.95	1.89	0.101	0.035	0.046	---	---	1.85	1955
1956	---	---	---	0.655	0.879	0.322	0.798	0.120	0.354	0.063	---	---	---	1956
1957	---	---	0.654	2.16	1.88	1.35	0.116	0.013	0.025	0.105	---	---	0.784	1957
1958	---	---	0.079	2.39	2.19	1.56	3.03	0.328	0.117	0.074	---	---	1.22	1958
1959	---	---	0.426	1.03	2.37	2.21	0.338	0.009	0.039	0.066	---	---	0.809	1959
1960	---	---	0.286	0.415	2.03	0.565	0.045	0	0	0	---	---	0.419	1960
1961	---	---	0.053	0.287	0.578	0.095	0.002	0.008	0	0.123	---	---	0.144	1961
1962	---	---	0.691	1.97	0.642	0.422	0.034	0	0	0	---	---	0.466	1962
1963	---	---	0.078	0.174	0.210	1.77	2.55	0.145	0.068	0.002	---	---	0.624	1963
1964	---	---	0	0.471	1.59	1.18	0.162	0	0	0	---	---	0.424	1964
1965	---	---	0.459	2.63	0.630	1.58	1.21	0.208	0.383	0.258	---	---	0.912	1965
1966	---	---	0.145	0.886	1.50	2.94	0.646	0.288	0.095	0.157	---	---	0.827	1966
1967	---	---	0.893	1.63	5.82	5.54	0.575	0.129	0.052	0.089	---	---	1.83	1967
1968	---	---	0.326	0.468	0.531	0.798	0.278	0.286	0.609	0.761	---	---	0.506	1968
1969	---	---	0.706	4.14	2.38	5.83	6.97	0.348	0.178	0.206	---	---	2.59	1969
1970	---	---	0.184	0.714	1.41	2.68	0.523	0.081	0.070	0.116	---	---	0.716	1970
1971	---	---	0.174	1.96	0.924	1.47	0.163	0.025	0.044	0.089	---	---	0.600	1971
1972	---	---	0.868	1.82	2.70	0.871	0.295	0.212	0.199	0.333	---	---	0.912	1972
1973	---	---	0.377	1.16	2.23	1.18	0.169	0.052	0.058	0.063	---	---	0.660	1973
1974	---	---	0.533	1.53	4.15	1.41	0.294	0.199	0.242	0.243	---	---	1.07	1974
1975	---	---	0.003	1.92	4.33	3.00	1.02	0.284	0.164	0.221	---	---	1.36	1975
1976	---	---	0.551	0.756	0.828	0.402	0.106	1.51	0.298	0.198	---	---	0.582	1976
1977	---	---	0.328	0.559	0.414	0.108	0.045	0.171	0.160	0.148	---	---	0.239	1977
1978	---	---	1.11	1.07	2.36	1.55	0.799	0.302	0.267	0.135	---	---	0.949	1978
1979	---	---	0.885	1.66	2.37	0.621	0.274	0.067	0.014	0.107	---	---	0.751	1979
1980	---	---	0.271	1.54	0.756	1.11	0.184	0.153	0.189	0.225	---	---	0.543	1980
1981	---	---	0.397	0.330	4.27	2.64	0.852	0.413	0.188	0.162	---	---	1.16	1981
1982	---	---	0.011	0.742	0.493	1.44	0.493	0.115	0.110	0.114	---	---	0.436	1982
MEAN	---	---	0.439	1.45	2.38	2.48	0.958	0.345	0.322	0.258	---	---	0.979	MEAN

LOCATION - LAT 50 25 50 N   DRAINAGE AREA, 263 km^2
LONG 114 09 55 W   REGULATED SINCE 1966

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.3 ON JUN 16	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 27 *	---	1914
1915	---	---	---	---	1915
1916	---	27.8 ON JUN 28	---	---	1916
1917	---	23.3 ON JUN 11	---	---	1917
1918	---	1.30 ON MAY 31	0 ON JUL 30	---	1918
1919	---	1.61 ON MAR 30	0 ON MAR 1	---	1919
1938	---	---	0 ON AUG 8	---	1938
1939	---	8.47 ON JUN 17	0 B ON MAR 1	7 640	1939
1940	---	2.83 ON APR 29	0 B ON MAR 1	8 620	1940
1941	---	3.71 ON JUN 2	0 ON JUL 21	---	1941
1942	---	57.5 ON MAY 11 *	---	---	1942
1943	---	24.2 E ON APR 2	0 B ON MAR 1	23 400	1943
1944	---	0.682 ON APR 1	0 B ON MAR 1	1 660	1944
1945	---	13.1 ON JUN 28	0 ON MAR 1	13 400	1945
1946	29.7 AT 20:00 MST ON JUN 6	25.5 ON JUN 6	0 B ON MAR 1	15 800	1946
1947	---	12.4 ON JUN 2	0.014 ON SEP 27	33 700	1947
1948	15.6 AT 17:30 MST ON APR 30	15.5 ON APR 30	0.034 ON SEP 24	44 600	1948
1949	---	5.35 ON APR 6	0 B ON MAR 1	6 820	1949
1950	---	4.16 B ON APR 15	0 B ON MAR 1	7 940	1950
1951	---	35.4 ON AUG 31	0 B ON MAR 1	66 100	1951
1952	26.6 AT 19:00 MST ON MAY 14	16.6 ON MAY 15	0 ON AUG 25	39 300	1952
1953	53.2 AT 08:00 MST ON JUN 9	46.7 ON JUN 10	0 B ON MAR 1	66 500	1953
1954	---	6.20 ON MAY 12	0 B ON MAR 16	19 600	1954
1955	---	20.5 ON MAY 19	0 B ON MAR 1	39 100	1955
1956	---	7.84 ON JUL 4	---	---	1956
1957	---	5.15 B ON APR 13	0.003 ON AUG 3	16 600	1957
1958	---	13.2 B ON APR 13	0 B ON MAR 19	25 800	1958
1959	9.54 AT 18:30 MST ON JUN 28	9.46 ON JUN 28	0.003 ON AUG 4	17 100	1959
1960	6.03 AT 06:00 MST ON MAY 2	5.10 ON MAY 2	0 B ON MAR 1	8 870	1960
1961	2.63 AT 01:00 MST ON MAY 17	2.27 ON MAY 17	0 ON MAR 1	3 040	1961
1962	---	6.03 A ON APR 4	0 B ON MAR 1	9 860	1962
1963	44.2 AT 10:00 MST ON JUN 30	32.6 ON JUN 30	0 ON SEP 7	13 200	1963
1964	6.85 AT 23:00 MST ON JUN 17	5.58 ON MAY 7	0 B ON MAR 1	8 980	1964
1965	---	7.90 ON JUN 30	0 B ON MAR 1	19 300	1965
1966	13.1 AT 10:00 MST ON JUN 11	8.75 ON JUN 11	0 B ON MAR 1	17 500	1966
1967	23.3 AT 06:00 MST ON MAY 31	19.5 ON MAY 31	0 B ON MAR 1	38 800	1967
1968	3.85 AT 04:38 MST ON JUN 8	2.83 ON JUN 8	0.059 ON JUL 18	10 700	1968
1969	61.4 AT 13:25 MST ON JUN 29 *	47.3 ON JUN 29	0.057B ON MAR 1	54 700	1969
1970	30.0 AT 07:52 MST ON JUN 14	21.9 ON JUN 14	0.006B ON MAR 1	15 200	1970
1971	12.6 AT 21:00 MST ON JUN 6	8.01 ON JUN 7	0 B ON MAR 1	12 700	1971
1972	14.8 AT 19:30 MST ON MAY 25	8.41 ON MAY 26	0.011B ON MAR 1	19 300	1972
1973	13.9 AT 17:00 MST ON MAY 24	11.8 ON MAY 26	0 ON AUG 23	14 000	1973
1974	12.3 AT 02:30 MST ON MAY 20	9.26 ON MAY 20	0.028B ON MAR 8	22 700	1974
1975	26.2 AT 14:00 MST ON JUN 20	21.7 ON JUN 20	0 B ON MAR 2	28 900	1975
1976	14.0 AT 07:00 MST ON AUG 6	10.0 ON AUG 6	0.013 ON JUL 25	12 300	1976
1977	---	2.12 B ON APR 5	0.014 ON JUL 7	5 070	1977
1978	8.61 AT 14:00 MST ON MAY 31	7.50 ON MAY 31	0.079 ON SEP 4	20 100	1978
1979	6.79 AT 15:00 MST ON JUL 5	3.69 ON MAY 9	0 ON SEP 16	15 900	1979
1980	14.2 B AT 08:00 MST ON APR 13	5.09 B ON APR 13	0.074 ON JUL 12	11 500	1980
1981	18.9 AT 12:00 MST ON JUN 14	14.0 ON JUN 14	0.111 ON OCT 3	24 500	1981
1982	6.35 AT 14:39 MST ON JUN 30	4.76 ON JUN 30	0.001B ON MAR 1	9 220	1982
MEAN				20 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)　　B - ICE CONDITIONS　　E - ESTIMATED　　* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.344	0.517	0.527	0.375	0.313	---	---	---	1976
1977	---	---	---	0.175	0.241	0.800	1.22	1.00	0.606	0.384	---	---	---	1977
1978	---	---	3.42	1.81	0.530	0.442	1.14	1.49	1.53	0.437	---	---	1.35	1978
1979	---	---	3.25	0.715	0.684	0.544	0.940	0.751	0.641	0.462	---	---	1.00	1979
1980	---	---	0.229	0.178	0.365	0.609	1.17	1.26	0.697	0.479	---	---	0.624	1980
1981	---	---	0.201	0.090	0.548	0.743	1.03	0.753	0.867	0.397	---	---	0.579	1981
1982	---	---	0.145	1.19	0.219	0.921	1.54	0.916	0.593	0.665	---	---	0.773	1982
MEAN	---	---	1.45	0.693	0.431	0.629	1.08	0.957	0.758	0.448	---	---	0.865	MEAN

LOCATION - LAT 49 31 50 N
LONG 112 30 29 W　　REGULATED

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	1.73 ON JUN 30	---	---	1977
1978	---	13.1 B ON MAR 25	0 B ON MAR 1 *	28 600	1978
1979	---	15.5 B ON MAR 8 *	0 B ON MAR 1	21 200	1979
1980	2.67 AT 06:30 MST ON MAY 26	2.19 ON MAY 26	0 B ON MAR 1	13 200	1980
1981	4.04 AT 15:00 MST ON JUN 14	3.70 ON JUN 14	0.048 ON MAY 3	12 300	1981
1982	8.04 AT 19:50 MST ON APR 14 *	7.25 ON APR 14	0 B ON MAR 1	16 300	1982
MEAN				18 300	MEAN

B - ICE CONDITIONS　　* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.109	0.112	0.071	0.083	---	---	---	1972
1973	---	---	0.010	0.165	0.178	0.494	0.215	0.259	0.192	0.115	---	---	0.203	1973
1974	---	---	0.025	3.96	3.52	1.27	0.412	0.211	0.162	0.101	---	---	1.20	1974
1975	---	---	0.031	0.616	1.20	0.408	0.633	0.174	0.103	0.048	---	---	0.402	1975
1976	---	---	0.062	0.604	0.143	0.174	0.155	0.037	0.013	0.017	---	---	0.149	1976
MEAN	---	---	0.032	1.34	1.26	0.587	0.305	0.159	0.108	0.073	---	---	0.489	MEAN

LOCATION - LAT 54 01 28 N DRAINAGE AREA, 543 km²
LONG 111 41 54 W NATURAL FLOW

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	---	1.43 ON JUN 18	0.008B ON MAR 1	4 280	1973
1974	---	14.9 ON APR 23 *	0.023B ON MAR 21	25 400	1974
1975	---	2.24 ON MAY 1	0.025B ON MAR 1	8 520	1975
1976	---	1.10 ON APR 11	0.001 ON OCT 7 *	3 160	1976
				10 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.009	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	0.199	1982
MEAN	---	---	0.009	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	0.199	MEAN

LOCATION - LAT 54 17 35 N DRAINAGE AREA, 128 km²
LONG 113 27 45 W NATURAL FLOW

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	3.13B AT 20:52 MST ON APR 21 *	3.03B ON APR 22 *	0.001B ON MAR 1 *	4 220	1982
				4 220	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.058	0.223	---	---	---	1966
1967	---	---	0.022	4.76	0.783	0.732	0.053	0.074	0.003	0.003	---	---	0.791	1967
1968	---	---	3.80	0.135	0.049	0.014	0.010	0.039	0.045	0.045	---	---	0.523	1968
1969	---	---	0.009	7.39	0.505	0.064	0.057	0.052	0.083	0.072	---	---	1.01	1969
1970	---	---	0	4.90	0.232	0.141	0.055	0.038	0.031	0.039	---	---	0.667	1970
1971	---	---	0.008	11.6	0.309	0.623	1.73	0.083	0.005	0.020	---	---	1.77	1971
1972	---	---	1.49	6.88	0.699	0.263	0.102	0.053	0.030	0.046	---	---	1.18	1972
1973	---	---	0.690	5.09	1.05	2.52	5.11	0.195	0.071	0.135	---	---	1.85	1973
1974	---	---	0.073	24.5	2.84	0.748	4.31	0.182	0.067	0.075	---	---	4.05	1974
1975	---	---	0.001	3.21	1.03	0.127	0.081	0.031	0.022	0.009	---	---	0.557	1975
1976	---	---	0.070	2.30	0.072	0.024	0.017	0.372	0.036	0.007	---	---	0.357	1976
1977	---	---	0.204	1.11	6.21	0.482	0.057	0.032	0.039	0.065	---	---	1.03	1977
1978	---	---	1.87	1.28	0.793	0.797	1.76	0.139	2.65	0.338	---	---	1.20	1978
1979	---	---	2.54	4.64	2.03	0.351	0.122	0.094	0.042	0.050	---	---	1.23	1979
1980	---	---	0.026	5.57	0.112	8.57	1.18	0.429	1.27	0.727	---	---	2.20	1980
1981	---	---	3.27	1.26	1.49	1.18	1.28	0.386	0.030	0.057	---	---	1.12	1981
1982	---	---	0	13.0	0.953	0.067	9.90	0.174	0.101	0.299	---	---	3.05	1982
MEAN	---	---	0.880	6.10	1.20	1.04	1.61	0.148	0.270	0.130	---	---	1.41	MEAN

LOCATION - LAT 53 18 41 N DRAINAGE AREA, 584 km²
LONG 114 03 02 W NATURAL FLOW

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	13.6 B ON APR 15	0.003 ON AUG 29	16 700	1967
1968	---	8.13B ON MAR 6	0.003 ON JUL 12	11 100	1968
1969	---	60.9 B ON APR 9	0 B ON MAR 1 *	21 400	1969
1970	---	30.6 B ON APR 6	0 B ON MAR 1	14 100	1970
1971	67.4B AT 23:00 MST ON APR 15	52.4 B ON APR 15	0 ON SEP 21	37 500	1971
1972	59.7 AT 22:30 MST ON APR 6	36.5 ON APR 7	0 B ON MAR 1	24 900	1972
1973	---	59.5 A ON JUL 2	0.014 ON MAY 19	39 100	1973
1974	122 AT 22:10 MST ON APR 19	102 ON APR 19	0.051 ON SEP 25	85 600	1974
1975	---	17.2 B ON APR 19	0 B ON MAR 1	11 800	1975
1976	---	18.3 B ON APR 7	0.002 ON JUL 6	7 550	1976
1977	74.8 AT 12:50 MST ON MAY 29	63.7 ON MAY 29	0.017 ON AUG 28	21 800	1977
1978	37.7 AT 03:00 MST ON JUL 12	25.4 ON JUL 12	0.071B ON MAR 1	25 400	1978
1979	27.6 AT 00:30 MST ON APR 19	18.6 ON APR 19	0 B ON MAR 1	26 000	1979
1980	72.1 AT 01:45 MST ON JUN 28	57.2 ON JUN 28	0 B ON MAR 1	46 500	1980
1981	18.7 AT 21:00 MST ON MAR 14	12.7 B ON MAR 14	0.009 ON AUG 17	23 800	1981
1982	126 AT 10:50 MST ON JUL 5 *	116 ON JUL 5 *	0 B ON MAR 1	64 600	1982
MEAN				29 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	---	0.750	---	0.028	---	1947
1948	0.020	0.017	0.014	0.202	1.59	2.17	0.650	0.242	0.038	0.022	0.014	0.014	0.417	1948
1949	0.014	0.014	0.015	0.456	1.58	1.02	0.268	0.074	0.172	0.111	0.199	0.118	0.338	1949
1950	0.028	0.017	0.046	0.091	1.09	3.29	1.31	0.264	0.069	0.349	0.241	0.114	0.576	1950
1951	0.042	0.059	0.037	0.164	1.67	1.68	1.58	0.326	0.598	0.495	0.114	0.094	0.575	1951
1952	0.041	0.019	0.011	0.531	1.31	0.993	0.425	0.234	0.073	0.031	0.013	---	---	1952
1953	---	---	---	---	1.40	2.71	1.22	0.234	0.104	0.034	0.090	---	---	1953
1954	---	---	---	---	1.66	1.75	1.23	0.352	0.232	0.415	0.285	---	---	1954
1955	---	---	---	---	0.699	2.21	0.958	0.155	0.057	0.431	---	---	---	1955
MEAN	0.029	0.025	0.025	0.289	1.37	1.98	0.955	0.235	0.168	0.293	0.125	0.074	0.477	MEAN

LOCATION - LAT 48 59 20 N LONG 113 52 40 W DRAINAGE AREA, 14.0 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	3.54 ON MAY 23	0.011 ON NOV 5	13 200	1948
1949	2.66 AT 20:30 MST ON MAY 27	2.38 ON MAY 27	0.014 ON JAN 1	10 600	1949
1950	8.78E ON JUN 21	7.08E ON JUN 21 *	0.014E ON JAN 21	18 200	1950
1951	3.20 AT 20:30 MST ON JUL 1	3.06 ON JUN 26	0.028E ON JAN 21	18 100	1951
1952	---	2.27E ON MAY 20	0.006E ON NOV 25 *	---	1952
1953	12.4 AT 23:00 MST ON JUN 3 *	6.03 ON JUN 4	---	---	1953
1954	5.30E ON MAY 19	4.53E ON MAY 20	---	---	1954
1955	5.10E ON JUN 24	3.96E ON JUN 24	---	---	1955
MEAN				15 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.025	0.010	0.004	0.003	0.003	0.001	---	1966
1967	0.001	0.002	0.007	0.008	0.113	0.161	0.027	0.006	0.002	0.002	0.002	0.001	0.041	1967
1968	0.003	0.001	0.002	0.003	0.004	0.010	0.010	0.007	0.009	0.028	0.021	0.011	0.009	1968
1969	0.006	0.004	0.004	0.074	0.076	0.093	0.137	0.014	0.005	0.004	0.003	0.001	0.051	1969
1970	0	0	0	0.006	0.018	0.041	0.021	0.005	0.003	0.002	0.001	0	0.012	1970
1971	0	0	0.001	0.006	0.007	0.019	0.010	0.002	0.002	0.001	---	---	0.006	1971
1972	0	0	0.004	0.009	0.061	0.053	0.011	0.005	0.004	0.004	0.004	0.004	0.019	1972
1973	---	---	0.002	0.006	0.059	0.053	0.011	0.004	0.002	0.002	---	---	0.017	1973
1974	---	---	0.002	0.005	0.086	0.064	0.014	0.005	0.002	0.003	---	---	0.023	1974
1975	---	---	---	0.007	0.088	0.112	0.043	0.011	0.005	0.004	---	---	---	1975
1976	---	---	---	0.006	0.017	0.015	0.006	0.023	0.013	0.006	---	---	---	1976
1977	---	---	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	---	---	0.002	1977
1978	---	---	0.001	0.003	0.074	0.098	0.014	0.008	0.004	0.004	---	---	0.025	1978
1979	---	---	---	0.005	0.059	0.025	0.008	0.004	0.002	0.001	---	---	---	1979
1980	---	---	0.003	0.010	0.002	0.003	0.003	0.002	0.002	0.001	---	---	0.003	1980
1981	---	---	0.001	0.001	0.095	0.072	0.026	0.013	0.006	0.004	---	---	0.027	1981
1982	---	---	0.016	0.029	0.003	0.013	0.024	0.006	0.003	0.002	---	---	0.012	1982
MEAN	0.002	0.001	0.003	0.011	0.048	0.052	0.023	0.007	0.004	0.004	0.006	0.003	0.019	MEAN

LOCATION - LAT 50 07 24 N LONG 114 03 20 W DRAINAGE AREA, 5.96 km^2 NATURAL FLOW

STREETER CREEK (MAIN STEM) NEAR MANTON - STATION NO. 05AB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	0.311 AT 05:00 MST ON JUN 3	0.292 ON MAY 23	0.001 ON MAR 8	861	1967
1968	---	0.031 ON OCT 7	0.001 ON MAR 13	195	1968
1969	0.450 AT 20:30 MST ON JUN 30 *	0.402 ON JUN 30 *	0.003 ON MAR 28	1 080	1969
1970	---	0.065 ON JUN 30	0 B ON MAR 1 *	252	1970
1971	0.040 AT 05:00 MST ON JUN 6	0.027 ON JUN 6	0 B ON MAR 1	125	1971
1972	0.153 AT 06:30 MST ON AUG 23	0.136 ON MAY 30	0 B ON MAR 1	398	1972
1973	0.119 AT 02:50 MST ON JUN 2	0.110 ON MAY 30	0.001B ON MAR 1	363	1973
1974	0.263 AT 21:20 MST ON MAY 22	0.258 ON MAY 28	0 B ON MAR 1	480	1974
1975	0.232 AT 13:30 MST ON JUN 22	0.215 ON JUN 23	0 B ON APR 1	---	1975
1976	0.255 AT 19:00 MST ON AUG 5	0.057 ON AUG 5	---	---	1976
1977	0.040 AT 17:30 MST ON JUL 7	0.013 ON APR 4	0 ON JUL 24	41.0	1977
1978	0.377 AT 10:30 MST ON JUN 1	0.303 ON JUN 1	0 B ON MAR 1	539	1978
1979	0.208 AT 10:30 MST ON MAY 15	0.106 ON MAY 16	---	---	1979
1980	0.109B AT 14:30 MST ON APR 6	0.034 ON APR 14	0 B ON MAR 10	68.5	1980
1981	0.372 AT 22:00 MST ON MAY 24	0.298 ON MAY 20	0 ON APR 18	569	1981
1982	0.193 AT 14:26 MST ON APR 10	0.153 ON APR 10	0 B ON MAR 1	254	1982
				402	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0R	0R	---	---	---	1978
1979	---	---	0.009R	0.491R	0.010R	0.004R	0.080R	0.190R	0R	0R	---	---	0.097R	1979
1980	---	---	0.001R	0.346R	0 R	0 R	0 R	0 R	0R	0R	---	---	0.042R	1980
1981	---	---	0.493	0.092	0	0	0.062	0.010	0	0	---	---	0.083	1981
1982	---	---	0	0.151	0.007	0	0.012	0	0	0	---	---	0.021	1982
MEAN	---	---	0.126R	0.270R	0.004R	0.001R	0.039R	0.050R	0R	0R	---	---	0.061	MEAN

LOCATION - LAT 53 27 13 N   DRAINAGE AREA, 82.1 km^2
LONG 110 19 31 W   NATURAL FLOW

R - REVISED SINCE JAN 1980

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.70R AT 07:55 MST ON AUG 6 *	2.70 R ON APR 19 *	0RB ON MAR 1 *	2 050R	1979
1980	1.78R AT 12:30 MST ON APR 6	1.18 R ON APR 6	0RB ON MAR 1	899R	1980
1981	2.94 AT 09:50 MST ON MAR 18	2.36 B ON MAR 28	0B ON MAR 1	1 750	1981
1982	---	0.686B ON APR 22	0B ON MAR 1	444	1982
				1 290R	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	8.60	3.22	4.94	---	---	3.44	2.90	1.51	---	1913
1914	0.671	0.618	1.04	4.71	3.88	27.1	21.7	4.67	2.86	3.77	2.98	1.91	8.69	1914
1915	1.75	1.64	4.40	10.4	3.70	18.5	16.8	4.72	3.04	3.68	---	---	8.13	1915
1916	---	---	---	---	5.08	2.72	2.25	2.26	2.77	3.10	---	---	---	1916
1917	---	---	---	---	13.5	9.09	5.82	3.17	2.38	2.55	---	---	---	1917
1918	---	---	---	---	5.02	4.95	2.18	0.965	0.752	0.797	---	---	---	1918
1919	---	---	---	4.63	3.74	2.13	0.609	0.329	0.084	0.054	---	---	---	1919
1920	---	---	---	---	---	---	---	1.73	1.47	1.28	---	---	---	1920
1921	---	---	---	7.22	4.00	1.64	0.963	0.001	0	0	---	---	---	1921
1922	---	---	---	0.673	2.37	0.718	0.080	0.123	0.083	0.085	---	---	---	1922
1923	---	---	0	1.30	1.39	---	---	---	---	---	---	---	---	1923
1924	---	---	---	1.52	1.21	---	---	---	---	---	---	---	---	1924
1925	---	---	---	19.6	13.7	---	---	---	---	---	---	---	---	1925
1926	---	---	2.05	3.85	3.39	---	---	---	---	---	---	---	---	1926
1927	---	---	1.28	16.1	25.5	16.8	12.5	9.11	8.20	6.64	---	---	12.0	1927
1976	---	---	0.560	9.21	2.69	0.861	0.491	1.04	0.935	0.609	---	---	2.03	1976
1977	---	---	0.653	6.00	5.25	5.76	2.17	1.12	1.68	3.37	---	---	3.24	1977
1978	---	---	1.35	9.73	3.61	1.44	0.916	0.882	1.86	3.19	---	---	2.86	1978
1979	---	---	3.87	15.0	11.8	5.14	3.00	2.11	1.78	1.71	---	---	5.53	1979
1980	---	---	0.254	8.54	4.02	1.90	1.96	2.08	3.14	3.56	---	---	3.17	1980
1981	---	---	4.65	17.0	5.09	1.38	0.929	0.804	0.601	0.833	---	---	3.89	1981
1982	---	---	0.078	7.27	21.4	5.35	5.75	4.68	4.89	4.10	---	---	6.70	1982
MEAN	1.21	1.13	1.68	8.40	7.09	6.39	4.89	2.34	2.15	2.37	2.94	1.71	5.62	MEAN

LOCATION - LAT 53 38 05 N   DRAINAGE AREA, 2 650 km^2
LONG 113 37 33 W   NATURAL FLOW

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	42.2 ON JUN 16 *	0.793B ON MAR 1	184 000	1914
1915	---	27.2 ON JUN 18	1.61 B ON MAR 1	172 000	1915
1916	---	15.5 ON APR 16	---	---	1916
1917	---	25.0 ON APR 22	---	---	1917
1918	---	12.3 ON APR 12	---	---	1918
1919	---	8.21B ON APR 14	---	---	1919
1920	---	---	---	---	1920
1921	---	14.7 B ON APR 13	0 ON JUL 26 *	---	1921
1922	---	3.45 ON MAY 4	0 ON JUL 14	---	1922
1923	---	3.11B ON APR 30	0 B ON MAR 1	---	1923
1924	---	4.05B ON APR 23	0 B ON APR 1	---	1924
1925	---	37.4 ON APR 24	0 B ON APR 1	---	1925
1926	---	5.64 ON APR 14	0.340B ON MAR 1	---	1926
1927	---	30.9 ON MAY 13	0.912B ON MAR 1	254 000	1927
1976	---	13.3 A ON APR 12	0.187 ON JUL 26	83 000	1976
1977	---	9.49 ON APR 13	0.464B ON MAR 4	68 600	1977
1978	13.2 AT 14:00 MST ON APR 11	13.1 ON APR 11	0.547 ON AUG 14	60 400	1978
1979	18.0 AT 12:35 MST ON APR 28	17.9 ON APR 26	1.37 B ON MAR 1	117 000	1979
1980	14.8 AT 16:00 MST ON APR 15	14.7 ON APR 16	0.162B ON MAR 6	67 000	1980
1981	23.4 AT 17:20 MST ON APR 4	23.3 ON APR 4	0.381 ON JUL 6	82 200	1981
1982	33.6 AT 11:15 MST ON APR 29 *	32.9 ON MAY 1	0.028B ON APR 1	142 000	1982
				119 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.302	3.36	2.93	1.44	1.47	1.21	---	---	---	1914
1915	---	---	---	0.770	0.630	4.39	2.45	1.43	1.26	1.09	---	---	1.71	1915
1928	---	---	---	---	2.49	1.25	0.837	0.296	0.217	0.204	---	---	---	1928
1929	---	---	---	0.408	0.471	0.151	0.034	0.002	0.003	0	---	---	0.152	1929
1930	---	---	---	0.155	0.207	0.303	0.238	0.023	0.022	0.030	---	---	0.140	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.444	0.820	1.89	1.30	0.638	0.594	0.507	---	---	0.667	MEAN

LOCATION - LAT 53 39 45 N LONG 114 37 03 W DRAINAGE AREA, 322 km² NATURAL FLOW

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	8.41 ON JUN 8 *	---	---	1914
1915	---	7.84 ON JUN 11	0.566 ON MAY 20	31 700	1915
1928	---	2.97 ON MAY 4	---	---	1928
1929	---	0.583 ON MAY 25	0 E ON AUG 10 *	2 820	1929
1930	---	0.566 ON JUN 30	0 ON AUG 24	2 580	1930
1931	---	---	0 B ON APR 1	---	1931
				12 400	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.778	0.690	1.08	5.09	3.72	31.2	25.9	5.97	3.32	3.95	3.42	1.94	9.99	1914
1915	1.64	1.64	2.54	15.0	4.43	19.7	18.8	6.13	3.30	3.91	4.25	2.48	9.19	1915
1916	1.67	1.54	2.06	10.4	4.94	2.45	2.34	2.25	2.75	3.30	2.17	0.841	3.79	1916
1917	0.617	0.759	0.544	14.1	16.8	10.4	5.12	3.45	3.56	3.31	2.51	1.47	7.13	1917
1918	0.831	0.814	0.660	8.33	5.32	4.50	2.73	1.73	1.09	1.33	1.42	0.512	3.20	1918
1919	0.172	0.192	0.207	5.12	4.05	2.37	0.810	0.408	0.357	0.637	0.948	0.529	1.73	1919
1920	0.511	0.231	0.334	4.98	26.0	17.8	6.82	1.87	1.42	1.75	1.10	0.804	7.63	1920
1921	0.573	0.658	0.557	7.50	4.02	1.90	1.17	0.787	0.539	0.511	0.263	0.147	2.11	1921
1922	0.137	0.115	0.254	0.992	2.63	0.917	0.337	0.466	0.492	0.367	0.163	0.024	0.807	1922
1923	0.001	0	0.113	1.42	1.91	---	---	---	---	---	---	---	---	1923
1927	---	---	---	---	---	---	---	---	---	---	---	2.13	---	1927
1928	0.985	0.941	---	---	10.9	5.21	3.11	2.14	2.02	2.90	1.37	0.816	---	1928
1929	0.753	0.646	0.856	2.77	4.51	1.22	0.635	0.348	0.278	0.319	0.441	0.336	1.37	1929
1930	0.252	0.288	0.384	2.55	1.21	0.413	0.232	0.160	0.186	0.257	0.226	0.145	0.670	1930
1931	0.011	0.056	0.062	1.26	1.52	---	---	---	---	---	---	---	---	1931
1935	---	---	---	8.59	26.3	9.46	4.56	3.44	3.09	4.96	---	---	---	1935
1936	---	---	0.665	29.7	47.7	21.4	6.58	1.62	1.22	1.34	---	---	13.7	1936
1937	---	---	0.689	7.03	2.75	0.754	0.607	0.628	0.684	0.805	---	---	1.73	1937
1938	---	---	0.979	8.70	3.53	0.505	0.123	0.181	0.131	0.161	---	---	1.77	1938
1939	---	---	0.254	3.04	1.93	0.731	0.174	0.050	0.038	0.081	---	---	0.781	1939
1940	---	---	0.013	17.7	19.3	1.67	0.365	0.373	0.334	0.330	---	---	5.00	1940
1941	---	---	0.364	3.54	0.928	0.331	0.175	0.143	0.140	0.172	---	---	0.717	1941
1942	---	---	0.094	1.13	0.586	0.595	0.670	0.670	0.706	0.644	---	---	0.634	1942
1943	---	---	0.113	30.1	15.8	3.70	2.93	2.04	1.95	1.81	---	---	7.25	1943
1944	---	---	1.41	9.86	3.49	18.8	23.1	8.68	5.11	4.76	---	---	9.38	1944
1945	---	---	2.03	4.54	2.78	1.52	0.532	0.253	0.262	0.395	---	---	1.53	1945
1946	---	---	0.395	7.75	1.88	0.316	0.318	0.192	0.264	0.362	---	---	1.42	1946
1947	---	---	1.03	6.46	2.19	0.207	0.179	0.191	0.291	0.678	---	---	1.39	1947
1948	---	---	0.113	11.7	60.5	17.4	4.25	1.19	0.852	1.31	---	---	12.2	1948
1949	---	---	0.368	5.66	2.04	0.303	0.076	0.115	0.178	0.214	---	---	1.11	1949
1950	---	---	0.224	1.86	2.70	0.480	0.171	0.201	0.093	0.106	---	---	0.727	1950
1951	---	---	0.080	4.35	6.75	1.10	0.433	0.281	0.282	0.336	---	---	1.70	1951
1952	---	---	---	21.5	5.71	1.51	1.64	1.42	1.25	1.21	---	---	---	1952
1953	---	---	0.391	3.64	11.9	5.36	2.18	24.7	12.3	3.93	---	---	8.05	1953
1954	---	---	1.82	2.06	7.93	21.6	13.0	8.73	12.7	8.12	---	---	9.46	1954
1955	---	---	2.05	8.31	12.8	4.68	2.68	1.96	1.49	1.74	---	---	4.46	1955
1956	---	---	0.005	20.5	24.6	6.52	2.59	1.54	2.00	1.93	---	---	7.43	1956
1957	---	---	1.72	7.02	4.40	0.818	0.532	0.356	0.322	0.661	---	---	1.97	1957
1958	---	---	0.726	19.8	5.26	0.944	0.359	0.152	0.230	0.425	---	---	3.45	1958
1959	---	---	1.25	4.21	1.25	0.187	0.207	0.311	0.334	0.705	---	---	1.05	1959
1960	---	---	0.949	7.65	2.23	0.953	1.03	1.16	1.57	1.78	---	---	2.15	1960
1961	---	---	2.38	10.6	2.28	0.314	0.246	0.198	0.351	0.327	---	---	2.06	1961
1962	---	---	0.535	12.7	10.3	2.41	0.670	0.993	1.16	0.203	---	---	3.60	1962
1963	---	---	1.14	12.8	10.9	4.97	0.954	0.701	0.770	0.603	---	---	4.08	1963
1964	---	---	0.110	3.20	2.38	0.618	0.074	0.047	0.053	0.210	---	---	0.831	1964
1965	---	---	0.086	13.5	19.6	8.44	29.4	13.5	7.83	5.63	---	---	12.3	1965
1966	---	---	1.46	19.3	7.95	2.67	0.872	0.711	1.15	1.30	---	---	4.39	1966
1967	---	---	0	4.10	13.1	1.87	0.479	0.332	0.279	0.278	---	---	2.56	1967
1968	---	---	4.05	2.81	0.594	0.056	0.058	0.310	0.116	0.056	---	---	1.01	1968
1969	---	---	0	9.40	4.24	0.608	0.138	0.213	0.476	0.903	---	---	1.98	1969
1970	---	---	0.149	17.7	7.80	0.777	0.245	0.619	0.540	0.880	---	---	3.55	1970
1971	---	---	0.014	17.7	21.1	3.63	10.0	12.5	5.47	3.26	---	---	9.22	1971
1972	---	---	0.451	26.3	21.1	7.27	3.32	1.87	1.42	1.10	---	---	7.80	1972
1973	---	---	0.733	7.98	3.51	1.43	1.45	0.928	0.885	1.03	---	---	2.23	1973
1974	---	---	0.416	39.1	54.1	18.5	32.0	18.3	8.04	4.25	---	---	21.9	1974
1975	---	---	0.664	7.10	11.3	3.11	3.94	2.49	3.02	1.95	---	---	4.19	1975
1976	---	---	0.250	9.30	3.07	0.831	0.417	0.830	0.870	0.538	---	---	1.99	1976
1977	---	---	0.864	8.39	4.07	4.61	2.27	1.24	1.56	2.68	---	---	3.19	1977
1978	---	---	2.27	10.1	4.30	1.52	0.988	1.20	2.72	2.57	---	---	3.19	1978
1979	---	---	4.17	18.0	14.3	6.10	3.41	2.16	1.76	1.86	---	---	6.45	1979
1980	---	---	0.330	9.75	4.89	2.44	1.80	2.23	2.96	3.62	---	---	3.48	1980
1981	---	---	7.08	20.4	6.23	1.52	1.06	0.979	0.561	0.811	---	---	4.79	1981
1982	---	---	0.170	11.4	23.9	5.49	5.25	5.03	4.22	4.51	---	---	7.50	1982
MEAN	0.638	0.612	0.927	10.3	10.0	4.99	3.94	2.56	1.89	1.67	1.52	0.936	4.54	MEAN

LOCATION - LAT 53 47 14 N LONG 113 13 23 W DRAINAGE AREA, 3 350 km² NATURAL FLOW

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	51.8 ON JUN 22	0.906B ON MAR 9	212 000	1914
1915	---	30.6 ON JUN 23	1.56 B ON MAR 3	195 000	1915
1916	---	17.0 B ON APR 18	1.56 ON JUN 22	80 100	1916
1917	---	31.4 ON APR 24	0.379B ON MAR 14	151 000	1917
1918	---	16.4 B ON APR 14	0.538B ON MAR 5	67 700	1918
1919	---	10.8 B ON APR 15	0.144B ON MAR 1	36 800	1919
1920	---	28.9 ON MAY 14	0.142B ON MAR 1	161 000	1920
1921	---	17.0 B ON APR 13	0.436 ON OCT 19	44 600	1921
1922	---	3.82B ON APR 29	0.142B ON MAR 1	17 100	1922
1923	---	3.20B ON MAY 4	0 B ON MAR 1 *	---	1923
1927	---	0 ON 5(: 0	900 000 ON 5(: 0	---	1927
1928	---	---	---	---	1928
1929	---	8.69 ON APR 27	0.212 ON SEP 19	29 000	1929
1930	---	4.36 ON APR 15	0.096B ON OCT 19	18 200	1930
1931	---	---	0 B ON MAR 12	---	1931
1935	---	32.8 ON MAY 4	---	---	1935
1936	---	58.0 ON APR 25	0.113B ON MAR 4	291 000	1936
1937	---	9.23B ON APR 17	0 B ON MAR 12	36 600	1937
1938	---	20.3 ON APR 16	0.051 ON AUG 1	37 500	1938
1939	---	5.24 ON APR 22	0.020 ON SEP 8	16 500	1939
1940	---	47.3 ON APR 21	0 B ON MAR 8	106 000	1940
1941	---	12.8 B ON APR 11	0.028B ON MAR 1	15 200	1941
1942	---	3.99B ON APR 22	0.028B ON MAR 8	13 400	1942
1943	---	54.4 ON APR 15	0.028B ON MAR 1	153 000	1943
1944	---	38.5 ON JUN 28	0.311B ON MAR 1	199 000	1944
1945	---	5.47B ON APR 9	0.122 ON AUG 16	32 400	1945
1946	---	13.7 ON APR 12	0.102 ON AUG 3	30 000	1946
1947	---	10.5 ON APR 16	0.093 ON JUL 9	29 400	1947
1948	---	89.8 ON MAY 7	0.113B ON MAR 1	258 000	1948
1949	---	13.6 ON APR 13	0.034 ON JUL 15	23 500	1949
1950	---	6.74 ON APR 24	0 ON SEP 10	15 800	1950
1951	---	11.4 ON MAY 3	0 B ON MAR 3	36 000	1951
1952	---	29.4 ON APR 15	---	---	1952
1953	---	33.4 ON AUG 18	0.227B ON MAR 11	170 000	1953
1954	31.1 AT 04:00 MST ON JUN 19	28.9 ON JUN 19	0.623B ON APR 8	200 000	1954
1955	---	18.3 B ON APR 12	0.850B ON MAR 4	94 500	1955
1956	---	51.3 ON APR 30	0 B ON MAR 1	157 000	1956
1957	---	14.0 B ON APR 19	0.085B ON MAR 1	41 700	1957
1958	63.7B AT 17:00 MST ON APR 7 *	42.2 B ON APR 7	0.042 ON SEP 12	73 000	1958
1959	15.0B AT 10:30 MST ON APR 4	13.5 B ON APR 4	0.028B ON MAR 1	22 200	1959
1960	---	14.1 B ON APR 10	0 B ON MAR 1	45 500	1960
1961	20.8B AT 11:15 MST ON MAR 30	18.9 B ON MAR 30	0.048 ON JUL 14	43 700	1961
1962	---	25.2 ON APR 23	0.020 ON OCT 10	76 200	1962
1963	---	17.6 ON APR 24	0.241 ON OCT 31	86 400	1963
1964	---	10.6 B ON APR 21	0 B ON MAR 1	17 600	1964
1965	---	37.1 ON JUL 11	0.028B ON MAR 1	260 000	1965
1966	---	36.8 ON APR 6	0.439 ON JUL 27	92 900	1966
1967	---	22.4 B ON MAY 1	0 B ON MAR 1	54 200	1967
1968	---	8.52B ON MAR 14	0.006 ON JUN 10	21 400	1968
1969	---	18.4 B ON APR 11	0 B ON MAR 1	41 900	1969
1970	---	27.3 ON APR 19	0.085B ON MAR 1	75 200	1970
1971	---	51.0 ON APR 28	0.011B ON MAR 21	195 000	1971
1972	---	44.5 ON APR 22	0.156B ON MAR 1	165 000	1972
1973	---	12.1 B ON APR 11	0.122B ON MAR 1	47 200	1973
1974	---	115 ON APR 27 *	0.396B ON MAR 1	462 000	1974
1975	---	21.1 ON APR 25	0.583B ON MAR 1	88 700	1975
1976	---	13.5 B ON APR 8	0.059B ON MAR 1	42 200	1976
1977	---	21.7 B ON APR 10	0.555B ON MAR 1	67 500	1977
1978	---	21.0 B ON APR 11	0.663 ON JUL 23	67 500	1978
1979	---	32.3 B ON APR 16	1.67 ON SEP 8	137 000	1979
1980	---	16.7 B ON APR 15	0.282B ON MAR 1	73 800	1980
1981	29.8 AT 12:30 MST ON APR 3	29.5 ON APR 3	0.413 ON SEP 2	102 000	1981
1982	51.9 AT 21:00 MST ON APR 23	42.1 ON APR 24	0.120B ON MAR 30	159 000	1982
				96 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	0.144R	0.046R	0.090R	---	---	---	1981
1982	---	---	0	2.95	0.605	0.058	2.63	0.138	0.103	0.070	---	---	0.816	1982
MEAN	---	---	0	2.95	0.605	0.058	2.63	0.141R	0.075R	0.080R	---	---	0.816	MEAN

LOCATION - LAT 53 35 29 N DRAINAGE AREA, 121 km^2
LONG 114 51 35 W NATURAL FLOW

R - REVISED SINCE JAN 1980

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	22.9 AT 01:50 MST ON JUL 5 *	18.9 ON JUL 5 *	0B ON MAR 1 *	17 300	1982
				17 300	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.43	3.81	2.18	1.29	1.57	2.19	---	---	---	1914
1915	---	---	---	2.63	1.98	3.07	1.84	1.57	2.14	2.92	---	---	2.30	1915
1928	---	---	---	---	4.06	2.63	2.13	1.06	0.611	0.460	---	---	---	1928
1929	---	---	---	0.670	0.898	0.531	0.192	0.003	0	0	---	---	0.327	1929
1930	---	---	---	0.012	0.009	0.019	0.014	---	---	---	---	---	---	1930
1931	---	---	---	0.050	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.841	1.68	2.01	1.27	0.981	1.08	1.39	---	---	1.31	MEAN

LOCATION - LAT 53 43 58 N   LONG 114 16 17 W   DRAINAGE AREA, 738 km²   NATURAL FLOW

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	13.6 ON JUN 9 *	---	---	1914
1915	---	6.68 ON JUN 10	1.42 ON AUG 10	42 600	1915
1928	---	4.59 ON MAY 5	---	---	1928
1929	---	1.56 ON MAY 25	0 ON AUG 9 *	6 040	1929
1930	---	0.065 ON JUN 28	0 B ON APR 1	---	1930
1931	---	---	0 ON APR 1	---	1931
				24 300	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	2.16	22.6	9.25	2.44	2.47	3.15	---	---	---	1914
1915	---	---	---	---	2.50	21.0	7.47	2.86	2.87	3.53	---	---	---	1915
1928	---	---	---	---	7.67	2.70	2.47	1.15	0.961	0.899	---	---	---	1928
1929	---	---	---	---	---	0.812	0.485	0.247	0.127	0.195	---	---	---	1929
1930	---	---	---	1.29	0.450	0.412	0.615	0.245	0.174	0.165	---	---	---	1930
1968	---	---	---	---	0.071	0.078	0.020	0.019	---	---	---	---	---	1968
1969	---	---	0.052	7.73	0.311	0.046	0.021	1.15	1.23	0.430	---	---	---	1969
1970	---	---	0.085	13.5	0.438	0.292	0.737	1.04	0.109	0.123	---	---	---	1970
1971	---	---	0.181	24.0	2.24	0.930	15.4	4.42	2.94	2.61	1.90	1.49	---	1971
1972	0.722	0.811	1.48	24.2	8.36	3.90	1.60	0.830	0.838	0.629	0.415	0.196	3.64	1972
1973	0.059	0.040	0.796	3.14	1.14	1.43	1.52	0.649	0.535	0.574	0.452	0.302	0.888	1973
1974	0.312	0.260	0.231	44.5	25.5	12.7	28.8	5.64	3.28	1.82	1.23	0.778	10.4	1974
1975	0.623	0.790	0.701	6.73	3.59	2.05	3.74	1.51	2.86	0.962	0.562	0.220	2.03	1975
1976	0.345	0.555	0.641	5.99	1.44	0.623	0.422	0.769	0.418	0.157	0.230	0.192	0.975	1976
1977	0.193	0.276	0.388	3.79	3.53	4.35	1.33	1.35	2.35	2.99	1.55	1.09	1.93	1977
1978	1.03	0.990	2.48	4.79	2.04	1.78	0.879	0.796	2.67	1.22	2.15	2.68	1.96	1978
1979	2.12	1.85	4.24	10.1	6.44	3.86	2.99	2.28	1.29	1.05	0.549	0.329	3.09	1979
1980	0.315	0.413	0.464	6.06	1.56	2.31	1.99	2.32	2.51	1.83	1.32	1.09	1.84	1980
1981	1.05	1.04	7.40	8.07	1.87	1.08	0.767	0.821	0.202	0.429	0.292	0.184	1.94	1981
1982	0.167	0.330	0.501	16.4	8.57	2.53	6.93	2.55	3.45	2.91	1.52	1.25	3.93	1982
MEAN	0.631	0.669	1.40	12.0	4.20	4.27	4.37	1.65	1.65	1.35	1.01	0.817	2.97	MEAN

LOCATION - LAT 53 39 20 N   LONG 113 45 40 W   DRAINAGE AREA, 1 910 km²   NATURAL FLOW

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	40.8 E ON JUN 12	---	-:-	1914
1915	---	50.7 ON JUN 13	---	---	1915
1928	---	10.5 E ON MAY 9	---	---	1928
1929	---	---	---	---	1929
1930	---	1.98B ON APR 6	---	---	1930
1968	---	---	0 ON JUN 5 *	---	1968
1969	---	33.1 B ON APR 12	---	---	1969
1970	54.9 AT 00:49 MST ON APR 11	46.4 ON APR 11	---	---	1970
1971	100 AT 22:30 MST ON APR 21	96.0 ON APR 21	---	---	1971
1972	59.7 AT 21:30 MST ON APR 15	58.9 ON APR 16	0.102B ON DEC 31	115 000	1972
1973	12.7B AT 04:00 MST ON APR 2	9.34B ON APR 2	0.028B ON MAR 11	28 000	1973
1974	[illegible] AT 15:40 MST ON APR 21 *	136 ON APR 22 *	0.142B ON MAR 31	329 000	1974
1975	---	26.5 B ON APR 22	0.142B ON DEC 17	63 900	1975
1976	---	15.9 A ON APR 8	0.085 ON OCT 16	30 800	1976
1977	16.8 AT 09:00 MST ON APR 9	15.1 ON APR 9	0.167B ON JAN 10	61 000	1977
1978	13.3B AT 09:40 MST ON APR 4	10.8 B ON APR 4	0.391 ON AUG 26	61 700	1978
1979	18.6 AT 02:15 MST ON APR 24	18.5 ON APR 23	0.276B ON DEC 31	97 400	1979
1980	39.5 AT 04:10 MST ON APR 13	30.4 B ON APR 13	0.256B ON JAN 8	58 300	1980
1981	---	33.6 ON MAR 30	0.034 ON SEP 19	61 000	1981
1982	77.6 AT 16:30 MST ON APR 26	77.2 ON APR 26	0.140B ON JAN 1	124 000	1982
				93 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.736	0.884	---	---	---	1972
1973	---	---	0.377	1.51	3.28	2.01	0.799	0.587	0.507	0.717	---	---	1.22	1973
1974	---	---	0.442	1.71	5.24	1.34	1.36	0.673	0.553	0.463	---	---	1.48	1974
1975	---	---	0.220	0.561	1.09	0.902	1.57	0.389	0.230	0.217	---	---	0.649	1975
1976	---	---	0.211	1.15	0.600	0.525	0.431	1.02	0.548	0.352	---	---	0.603	1976
1977	---	---	0.208	0.754	3.16	1.88	1.53	1.39	2.28	1.69	---	---	1.61	1977
1978	---	---	0.435	1.29	1.82	3.00	2.07	1.32	2.05	0.990	---	---	1.62	1978
1979	---	---	0.308	0.612	1.63	2.00	2.78	1.24	0.328	0.578	---	---	1.19	1979
1980	---	---	0.329	1.66	1.19	5.21	2.27	1.27	1.30	0.796	---	---	1.74	1980
1981	---	---	0.421	0.771	1.49	1.11	0.470	0.488	0.344	0.358	---	---	0.681	1981
1982	---	---	0.152	0.480	3.79	1.26	6.54	2.86	1.61	1.31	---	---	2.26	1982
MEAN	---	---	0.310	1.05	2.33	1.92	1.98	1.12	0.953	0.760	---	---	1.31	MEAN

LOCATION - LAT 53 34 00 N, LONG 116 41 50 W   DRAINAGE AREA, 166 km^2 NATURAL FLOW

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	5.55 AT 23:50 MST ON MAY 29	5.30 ON MAY 29	0.337B ON MAR 17	25 900	1973
1974	10.0 AT 04:00 MST ON MAY 14	9.71 ON MAY 14	0.340B ON MAR 1	31 200	1974
1975	5.61 AT 10:30 MST ON JUL 1	5.52 ON JUL 1	0.184 ON SEP 15	13 700	1975
1976	2.94 AT 10:50 MST ON APR 14	2.34 ON APR 13	0.178B ON MAR 8	12 800	1976
1977	5.95 AT 19:50 MST ON MAY 8	5.86 ON MAY 8	0.184B ON MAR 22	34 100	1977
1978	8.52 AT 11:00 MST ON JUN 17	8.35 ON JUN 17	0.382B ON MAR 1	34 200	1978
1979	6.13 AT 04:40 MST ON JUL 15	6.08 ON JUL 15	0.220B ON MAR 1	25 100	1979
1980	9.98 AT 19:00 MST ON JUN 27	9.64 ON JUN 27	0.281B ON MAR 1	36 800	1980
1981	2.24 AT 11:25 MST ON JUN 2	2.21 ON JUN 2	0.248 ON AUG 24	14 400	1981
1982	17.3 AT 12:00 MST ON JUL 16 *	15.4 ON JUL 6 *	0.110B ON MAR 1 *	47 900	1982
				27 600	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	2.01	4.52	4.40	---	---	---	---	---	1949
1950	---	---	---	---	---	---	5.95	4.61	2.28	---	---	---	---	1950
1951	---	---	---	---	---	1.04	5.68	3.61	1.36	---	---	---	---	1951
1952	---	---	---	---	---	1.06	1.66	2.97	2.08	---	---	---	---	1952
1953	---	---	---	---	---	2.02	4.92	4.65	1.88	0.463	---	---	---	1953
1954	---	---	---	---	---	1.69	4.32	3.63	1.57	0.242	---	---	---	1954
1955	---	---	---	---	---	1.67	6.13	4.57	2.33	---	---	---	---	1955
1956	---	---	---	---	0.403	2.85	6.01	5.09	2.20	---	---	---	---	1956
1957	---	---	---	---	---	1.02	1.92	2.97	2.10	---	---	---	---	1957
1958	---	---	---	---	0.787	1.38	5.00	5.75	1.87	0.371	---	---	2.54	1958
1959	---	---	---	---	---	1.85	4.74	3.09	1.19	---	---	---	---	1959
1960	---	---	---	---	0.136	1.52	5.87	3.85	1.48	0.321	---	---	2.20	1960
1961	---	---	---	---	0.440	4.09	5.41	5.62	1.35	0.641	---	---	2.93	1961
1962	---	---	---	---	---	2.16	4.08	4.04	1.34	0.350	---	---	---	1962
1963	---	---	---	---	---	---	4.59	4.71	3.79	0.945	---	---	---	1963
1964	---	---	---	---	---	---	5.64	3.28	1.21	0.527	---	---	---	1964
1965	---	---	---	---	---	2.44	4.57	5.93	0.591	0.345	---	---	---	1965
1966	---	---	---	---	0.461	2.00	4.49	4.31	3.06	0.674	---	---	2.50	1966
1967	---	---	---	---	---	2.48	4.69	5.31	3.95	0.534	---	---	---	1967
1968	---	---	---	---	0.178	1.94	4.55	3.47	1.93	0.386	---	---	2.08	1968
1969	---	---	---	---	---	3.46	4.08	4.28	1.75	---	---	---	---	1969
1970	---	---	---	---	---	3.82	5.77	5.07	1.17	0.298	---	---	---	1970
1971	---	---	---	---	0.295	2.01	4.02	6.10	1.50	0.508	---	---	2.41	1971
1972	---	---	---	---	---	2.68	3.45	5.38	1.38	0.340	---	---	---	1972
1973	---	---	---	---	---	1.91	---	3.73	1.85	0.227	---	---	---	1973
1974	---	---	---	---	0.146	2.03	3.78	4.19	1.74	0.615	---	---	2.09	1974
1975	---	---	---	---	0.168	1.23	6.43	3.23	1.22	0.273	---	---	2.10	1975
1976	---	---	---	---	---	1.17	3.99	---	---	0.416	---	---	---	1976
1977	---	---	---	---	0.218	2.83	3.67	4.35	0.887	0.108	---	---	2.01	1977
1978	---	---	---	---	0.147	2.33	5.90	4.12	2.68	0.340	---	---	2.58	1978
1979	---	---	---	---	0.277	2.06	5.09	4.73	2.41	0.690	---	---	2.55	1979
1980	---	---	---	---	0.927	2.55	4.40	2.84	1.45	0.756	---	---	2.16	1980
1981	---	---	---	---	0.925	1.48	4.90	6.44	2.53	0.160	---	---	2.75	1981
1982	---	---	---	---	0.174	3.10	4.83	4.25	2.83	0.389	---	---	2.59	1982
MEAN	---	---	---	---	0.379	2.13	4.70	4.38	1.90	0.437	---	---	2.39	MEAN

LOCATION - LAT 52 13 10 N   DRAINAGE AREA, 47.9 km²
LONG 117 14 00 W   NATURAL FLOW

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	13.5 AT 18:00 MST ON JUL 15	9.06 ON JUL 16	---	---	1949
1950	12.2 AT 17:00 MST ON JUL 26	9.29 ON JUL 26	---	---	1950
1951	11.8 AT 16:20 MST ON JUL 18	9.40 ON JUL 18	---	---	1951
1952	7.25 AT 21:00 MST ON AUG 13	5.49 ON AUG 13	---	---	1952
1953	13.6 AT 16:00 MST ON JUL 14	11.9 ON JUL 14	---	---	1953
1954	8.30 AT 17:00 MST ON JUL 19	6.85 ON JUL 19	---	---	1954
1955	15.3 AT 19:00 MST ON JUL 17 *	12.0 ON JUL 15 *	---	---	1955
1956	12.5 AT 09:30 MST ON JUL 24	9.71 ON JUL 22	---	---	1956
1957	6.68 AT 20:00 MST ON SEP 6	5.66 ON SEP 7	---	---	1957
1958	10.8 AT 16:00 MST ON JUL 21	9.12 ON JUL 22	0.113B ON MAY 1	40 300	1958
1959	11.6 AT 17:00 MST ON JUL 24	10.2 ON JUL 24	---	---	1959
1960	10.9 AT 17:00 MST ON JUL 19	8.78 ON JUL 19	0.028B ON MAY 1	34 900	1960
1961	10.9 AT 17:00 MST ON JUL 21	9.34 ON JUL 21	0 B ON MAY 1 *	46 600	1961
1962	8.35 AT 17:00 MST ON AUG 1	6.71 ON JUL 26	---	---	1962
1963	10.3 AT 18:00 MST ON AUG 13	8.58 ON AUG 13	---	---	1963
1964	10.2 AT 21:00 MST ON JUL 13	8.64 ON JUL 15	---	---	1964
1965	---	8.58 ON AUG 10	---	---	1965
1966	8.95 AT 18:00 MST ON JUL 30	7.56 ON JUL 30	0.042B ON MAY 1	39 700	1966
1967	8.52 AT 18:30 MST ON AUG 13	8.04 ON SEP 2	---	---	1967
1968	9.83 AT 04:19 MST ON JUN 27	8.95 ON JUL 12	0 B ON MAY 1	33 000	1968
1969	7.76 AT 16:44 MST ON JUL 24	6.31 ON AUG 21	---	---	1969
1970	9.83 AT 17:20 MST ON JUL 18	8.55 ON JUL 8	---	---	1970
1971	11.3 AT 16:25 MST ON AUG 2	9.37 ON AUG 8	0.014B ON MAY 13	38 300	1971
1972	10.1 AT 17:30 MST ON AUG 9	8.33 ON AUG 9	---	---	1972
1973	---	---	---	---	1973
1974	10.1 AT 16:20 MST ON AUG 5	8.47 ON AUG 5	0.048B ON MAY 4	33 100	1974
1975	12.3 AT 17:30 MST ON JUL 11	10.7 ON JUL 28	0.028B ON MAY 1	33 400	1975
1976	7.93 AT 19:00 MST ON AUG 6	6.77 ON AUG 3	---	---	1976
1977	8.04 AT 18:00 MST ON AUG 13	6.88 ON AUG 12	0.025E ON MAY 1	32 000	1977
1978	11.8 AT 16:30 MST ON SEP 4	11.1 ON SEP 4	0.015B ON MAY 1	41 100	1978
1979	10.3 AT 18:00 MST ON JUL 20	8.28 ON JUL 21	0.074 ON MAY 12	40 500	1979
1980	10.3 AT 18:05 MST ON JUL 23	8.45 ON JUL 23	0.124 ON OCT 30	34 300	1980
1981	11.9 AT 18:10 MST ON AUG 15	9.52 ON AUG 12	0.100E ON OCT 30	43 600	1981
1982	12.2 AT 13:50 MST ON SEP 9	10.5 ON SEP 9	0.020B ON MAY 1	41 200	1982
MEAN				38 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	25.9	22.2	5.39	3.80	3.04	---	---	---	1915
1916	---	---	---	---	28.7	23.5	33.0	4.24	2.01	3.12	---	---	---	1916
1917	---	---	---	---	167	14.9	5.36	7.13	1.26	1.32	---	---	---	1917
1961	---	---	---	---	---	---	57.0	3.66	1.83	2.83	---	---	---	1961
1962	---	---	0.317	35.2	70.9	22.7	27.6	8.32	5.50	4.23	---	---	---	1962
1963	---	---	0.640	50.6	68.3	21.6	18.9	16.4	9.16	3.10	---	---	---	1963
1965	---	---	0.756	18.6	47.9	40.8	22.0	37.4	34.0	8.08	---	---	---	1965
1966	---	---	0.603	16.8	26.7	12.8	10.5	16.1	7.18	2.79	---	---	---	1966
1967	---	---	0.585	3.39	50.1	15.1	3.14	1.99	0.675	0.815	---	---	---	1967
1968	---	---	0.830	5.32	22.2	32.2	9.02	8.20	7.51	5.34	---	---	---	1968
1969	---	---	0.356	26.3	14.0	3.81	4.91	6.30	30.9	13.4	---	---	---	1969
1970	---	---	0.809	21.2	38.6	33.1	26.5	8.73	8.07	5.92	4.10	1.27	---	1970
1971	0.778	0.627	1.13	37.3	24.0	80.4	76.6	9.74	3.59	3.03	1.63	0.802	20.0	1971
1972	0.486	0.407	1.10	18.0	64.3	51.1	18.4	11.0	6.86	7.69	3.18	1.34	15.3	1972
1973	1.31	0.497	0.918	14.1	54.3	50.7	16.6	17.0	8.04	9.61	5.18	2.13	15.1	1973
1974	1.23	1.28	0.977	53.2	71.4	12.6	37.7	7.54	7.27	6.99	2.50	1.43	17.1	1974
1975	1.08	0.656	0.790	14.2	28.4	47.7	34.9	25.2	19.5	5.72	2.73	0.802	15.2	1975
1976	0.847	1.27	0.922	33.9	21.4	27.1	37.1	64.6	21.7	8.59	4.27	1.92	18.7	1976
1977	1.51	1.78	1.54	31.3	53.7	33.5	44.0	6.94	7.36	7.78	2.12	0.666	16.1	1977
1978	0.437	0.325	0.617	22.5	33.0	29.0	11.9	9.21	42.6	8.69	3.61	2.10	13.7	1978
1979	0.835	0.760	1.83	12.9	73.6	62.4	73.2	8.54	3.10	2.38	1.34	0.702	20.3	1979
1980	0.416	0.183	0.149	14.2	16.4	17.6	15.0	16.8	27.4	7.66	3.37	0.916	10.0	1980
1981	0.953	1.11	1.57	17.7	20.9	25.0	13.9	2.37	1.62	2.55	1.65	0.424	7.49	1981
1982	0.201	0.213	0.137	8.22	47.1	7.52	30.7	30.9	4.04	2.47	0.817	0.387	11.2	1982
MEAN	0.840	0.759	0.829	22.7	47.4	30.0	27.1	13.9	11.0	5.30	2.81	1.15	15.0	MEAN

LOCATION - LAT 55 19 00 N DRAINAGE AREA, 1 900 km^2
LONG 115 24 30 W NATURAL FLOW

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	68.0 ON JUN 4	---	---	1915
1916	---	85.0 ON JUL 7	---	---	1916
1917	---	493 ON MAY 17 *	---	---	1917
1961	351 E ON JUL 1	214 ON JUL 9	---	---	1961
1962	188 AT 17:00 MST ON MAY 20	165 ON MAY 20	---	---	1962
1963	---	150 ON APR 27	---	---	1963
1965	---	195 ON JUN 29	---	---	1965
1966	116 AT 13:15 MST ON AUG 29	73.6 ON MAY 8	---	---	1966
1967	91.5 AT 13:00 MST ON MAY 18	86.9 ON MAY 18	---	---	1967
1968	182 AT 15:30 MST ON JUN 13	160 ON JUN 13	---	---	1968
1969	167 AT 05:00 MST ON SEP 6	155 ON SEP 6	---	---	1969
1970	213 AT 18:00 MST ON JUN 29	185 ON JUN 29	---	---	1970
1971	334 AT 11:30 MST ON JUL 4	323 ON JUL 4	0.399B ON FEB 7	631 000	1971
1972	232 A AT 23:30 MST ON JUN 18	192 A ON JUN 19	0.340B ON MAR 2	485 000	1972
1973	189 AT 06:30 MST ON JUN 17	179 ON JUN 17	0.266B ON FEB 15	476 000	1973
1974	257 A AT 03:00 MST ON JUL 14	235 A ON JUL 13	0.867B ON MAR 23	540 000	1974
1975	343 A AT 00:30 MST ON JUN 29	314 A ON JUN 29	0.538B ON FEB 12	479 000	1975
1976	294 AT 04:00 MST ON AUG 28	258 ON AUG 28	0.759B ON JAN 4	591 000	1976
1977	216 AT 09:30 MST ON JUL 7	199 ON JUL 7	0.481B ON DEC 9	508 000	1977
1978	225 AT 08:00 MST ON SEP 18	216 ON SEP 18	0.212B ON FEB 15	430 000	1978
1979	362 A AT 00:30 MST ON JUL 2 *	348 A ON JUL 2	0.403B ON MAR 6	640 000	1979
1980	92.8 AT 03:00 MST ON SEP 18	83.7 ON SEP 18	0.098B ON MAR 5 *	316 000	1980
1981	97.2 AT 06:30 MST ON JUL 23	87.4A ON JUL 23	0.253B ON DEC 31	236 000	1981
1982	200 AT 14:00 MST ON AUG 4	183 ON AUG 4	0.123B ON MAR 20	353 000	1982
				474 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	2.33	1.42	1.33	0.688	---	---	---	1970
1971	---	---	0.234	1.59	3.22	6.98	10.2	1.95	0.777	0.593	---	---	3.19	1971
1972	---	---	0.378	0.429	7.93	4.97	1.74	1.12	1.16	1.02	---	---	2.35	1972
1973	---	---	0.160	0.639	5.47	5.14	2.22	2.46	1.22	0.857	---	---	2.27	1973
1974	---	---	0.203	1.48	7.46	2.41	4.66	0.930	0.824	0.909	---	---	2.37	1974
1975	---	---	0.162	0.589	2.26	4.74	2.99	2.95	2.30	2.09	---	---	2.26	1975
1976	---	---	0.130	2.91	3.69	3.58	3.73	7.85	2.31	1.13	---	---	3.17	1976
1977	---	---	0.207	2.29	5.81	3.29	5.18	0.921	0.985	0.959	---	---	2.46	1977
1978	---	---	0.198	1.46	3.79	3.45	2.90	1.33	5.09	1.50	---	---	2.45	1978
1979	---	---	0.232	0.311	5.47	6.47	6.71	0.745	0.579	0.356	---	---	2.61	1979
1980	---	---	0.047	2.74	2.27	1.77	1.77	1.27	2.82	0.804	---	---	1.68	1980
1981	---	---	0.212	1.14	2.27	2.91	2.22	0.475	0.437	0.446	---	---	1.26	1981
1982	---	---	0.107	0.963	7.13	1.66	6.25	3.15	0.875	0.345	---	---	2.58	1982
MEAN	---	---	0.189	1.38	4.73	3.95	4.07	2.04	1.59	0.900	---	---	2.39	MEAN

LOCATION - LAT 54 48 00 N DRAINAGE AREA, 156 km^2
LONG 115 28 00 W NATURAL FLOW

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	20.4 AT 09:00 MST ON JUN 28	16.3 ON JUN 16	---	---	1970
1971	84.4 AT 15:30 MST ON JUL 3 *	55.8 ON JUL 3 *	0.093B ON MAR 31	67 500	1971
1972	23.6 AT 02:00 MST ON MAY 14	20.0 ON MAY 14	0.048B ON APR 18	49 600	1972
1973	26.8 AT 16:30 MST ON JUN 28	18.1 ON JUN 16	0.076B ON MAR 2	48 100	1973
1974	57.8 AT 00:30 MST ON JUL 13	43.0 ON JUL 13	0.170B ON MAR 15	50 200	1974
1975	52.7 AT 00:01 MST ON JUN 28	38.2 ON JUN 28	0.142B ON MAR 7	47 800	1975
1976	67.7 AT 01:30 MST ON AUG 27	44.2 ON AUG 27	0.068B ON MAR 5	67 100	1976
1977	34.5 AT 21:30 MST ON JUL 6	19.9 ON JUL 7	0.176B ON MAR 24	52 100	1977
1978	35.1 AT 17:00 MST ON SEP 17	27.7 ON SEP 17	0.144B ON MAR 8	52 000	1978
1979	71.5A AT 00:30 MST ON JUN 14	54.1 ON JUL 2	0.117B ON APR 2	55 400	1979
1980	12.8 AT 07:30 MST ON SEP 17	10.6 ON APR 25	0.023B ON MAR 4 *	35 500	1980
1981	13.0 AT 20:30 MST ON JUL 22	10.2 ON JUL 22	0.140B ON MAR 23	26 700	1981
1982	78.4 AT 07:00 MST ON JUL 15	39.6 ON JUL 15	0.084B ON MAR 8	54 500	1982
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		50 500	MEAN

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	11.9	6.51	3.59	2.48	1.96	---	---	---	1912
1913	---	---	---	---	9.06	19.5	8.95	5.43	3.19	2.76	2.03	1.58	---	1913
1914	---	---	---	3.77	10.4	10.2	---	---	---	---	---	---	---	1914
1915	---	---	---	---	8.88	9.80	6.34	4.33	3.55	3.36	2.24	---	---	1915
1916	---	---	1.53	2.35	7.93	21.5	14.7	5.85	5.77	1.70	1.72	1.28	---	1916
1917	---	---	---	0.934	9.80	17.3	11.4	4.08	2.67	2.30	1.58	1.99	---	1917
1918	5.01	1.26	1.43	4.50	12.9	16.8	5.77	4.62	2.43	2.45	1.30	0.895	4.96	1918
1919	1.20	1.00	0.930	3.58	12.2	9.82	4.77	3.03	1.64	1.01	1.19	1.23	3.48	1919
1920	1.21	1.01	0.818	---	---	16.3	11.6	4.30	4.36	2.98	---	---	---	1920
1921	1.07	---	---	---	---	18.2	8.07	3.56	1.70	2.16	---	---	---	1921
1922	---	---	---	---	9.63	14.7	6.29	3.43	1.99	0.918	---	---	---	1922
1923	---	---	---	---	11.2	14.6	7.57	3.54	1.83	1.91	---	---	---	1923
1924	---	---	---	1.32	11.4	12.5	6.96	3.70	1.53	1.24	---	---	---	1924
1925	---	---	---	---	16.3	16.8	8.85	4.22	2.73	1.70	---	---	---	1925
1926	---	---	---	---	6.24	5.47	4.11	2.56	4.09	4.59	---	---	---	1926
1927	---	---	---	---	7.63	20.6	10.9	4.69	6.45	4.82	---	---	---	1927
1928	---	---	---	---	18.6	13.4	10.4	3.43	1.95	5.81	---	---	---	1928
1929	---	---	---	---	9.18	11.7	5.45	2.69	1.25	1.23	---	---	---	1929
1930	---	---	---	---	9.80	10.7	5.80	2.67	1.74	1.27	---	---	---	1930
1931	---	---	---	---	12.8	9.44	4.09	2.68	2.31	1.20	---	---	---	1931
1932	---	---	---	---	13.2	14.4	6.15	2.97	1.36	1.59	---	---	---	1932
1933	---	---	---	---	9.38	23.2	9.94	3.63	2.46	5.50	---	---	---	1933
1934	---	---	---	9.62	17.3	11.7	5.23	2.68	1.21	1.27	---	---	---	1934
1935	---	---	---	---	10.1	13.4	7.47	2.93	1.95	---	---	---	---	1935
1936	---	---	---	---	15.5	11.2	4.26	2.17	1.18	0.744	---	---	---	1936
1937	---	---	---	---	11.0	17.0	6.13	2.45	1.33	1.78	---	---	---	1937
1938	---	---	---	4.54	13.0	14.5	6.77	2.39	1.60	1.52	---	---	---	1938
1939	---	---	---	---	12.6	8.04	5.95	2.62	1.46	0.915	---	---	---	1939
1940	---	---	0.608	2.77	10.7	8.45	3.81	1.98	2.52	1.67	---	---	---	1940
1941	---	---	0.652	3.62	8.47	7.55	4.12	1.87	3.84	3.50	---	---	---	1941
1942	---	---	0.612	4.04	8.49	11.6	7.59	3.09	2.26	1.26	---	---	---	1942
1943	---	---	0.434	5.11	8.65	14.6	10.2	3.10	1.69	1.47	---	---	---	1943
1944	---	---	0.405	1.97	8.26	7.24	3.22	2.72	2.20	1.69	---	---	---	1944
1945	---	---	0.521	0.979	11.9	13.6	6.56	2.37	2.82	2.48	3.22	---	---	1945
1946	---	---	0.913	4.15	13.1	12.9	7.78	2.88	2.11	2.78	---	---	---	1946
1947	---	---	---	3.47	13.0	12.9	7.71	3.29	2.73	6.88	---	---	---	1947
1948	---	---	0.374	2.12	12.1	17.6	5.58	3.19	1.36	1.00	---	---	---	1948
1949	---	---	0.492	3.27	12.3	9.57	4.67	2.43	3.01	1.92	3.30	---	---	1949
1950	---	---	---	1.20	8.46	19.0	13.0	4.70	2.08	6.73	---	---	---	1950
1951	---	---	---	2.82	12.9	12.4	11.1	3.88	5.14	5.38	---	---	---	1951
1952	---	---	---	---	9.88	9.95	6.04	3.40	1.60	0.758	---	---	---	1952
1953	---	---	---	---	10.6	18.7	11.5	4.22	1.92	0.929	---	---	---	1953
1954	---	---	---	1.38	12.6	15.6	14.3	5.58	4.06	4.26	2.67	---	---	1954
1955	---	---	---	---	5.80	16.7	10.2	3.48	1.65	5.39	---	---	---	1955
1956	---	---	---	---	12.2	14.7	8.23	3.66	2.13	3.38	---	---	---	1956
1957	---	---	0.751	1.62	15.7	12.4	4.76	2.23	1.27	1.60	---	---	---	1957
1958	---	---	0.713	1.89	14.9	11.1	4.62	2.70	2.94	3.05	2.21	1.50	---	1958
1959	1.83	0.965	0.586	3.38	8.66	17.4	9.19	3.76	6.64	5.66	1.94	1.23	5.12	1959
1960	0.487	0.518	0.966	2.94	7.47	15.2	7.27	3.03	1.91	1.14	1.14	0.711	3.57	1960
1961	0.568	1.07	0.883	2.56	12.2	16.9	5.38	2.59	1.78	3.33	1.15	0.661	4.10	1961
1962	0.485	0.746	0.399	4.31	8.93	11.6	4.92	3.08	1.85	3.26	2.77	1.88	3.69	1962
1963	0.738	1.72	0.746	1.97	9.73	15.6	7.70	2.59	1.81	1.34	1.35	0.847	3.84	1963
1964	0.606	0.468	0.373	0.892	8.71	21.8	8.15	3.17	3.35	4.24	1.48	0.833	4.50	1964
1965	0.671	0.771	0.640	2.67	9.09	16.4	7.82	3.53	2.38	2.56	1.92	1.03	4.13	1965
1966	0.743	0.452	0.690	2.84	10.8	12.5	7.04	2.99	2.03	---	---	---	---	1966
MEAN	1.22	0.907	0.716	2.99	11.0	14.0	7.46	3.33	2.51	2.62	1.95	1.21	4.15	MEAN

LOCATION - LAT 48 48 10 N, LONG 113 39 20 W   DRAINAGE AREA, 80.5 km^2 NATURAL FLOW   INTERNATIONAL GAUGING STATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	32.6 ON MAY 28	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	17.0 ON MAY 8	---	---	1915
1916	43.9 ON JUN 17	43.0 ON JUN 17	---	---	1916
1917	---	32.8 ON JUN 9	---	---	1917
1918	---	35.4 ON JUN 10	0.793 ON DEC 30	157 000	1918
1919	---	28.6 ON MAY 27	0.651 ON JAN 14	110 000	1919
1920	---	27.4 ON JUN 16	0.538 ON MAR 7	---	1920
1921	30.9 AT 08:00 MST ON MAY 26	30.3 ON MAY 26	---	---	1921
1922	23.9 AT 04:00 MST ON MAY 20	22.7 ON MAY 20	---	---	1922
1923	23.1 AT 00:00 MST ON JUN 1	21.8 ON JUN 11	---	---	1923
1924	21.8 ON MAY 16	21.8 ON MAY 16	---	---	1924
1925	29.7 AT 07:00 MST ON MAY 22	29.2 ON MAY 22	---	---	1925
1926	13.9 AT 01:00 MST ON MAY 5	13.2 ON MAY 5	---	---	1926
1927	31.1 ON JUN 8	30.0 ON JUN 8	---	---	1927
1928	31.7 AT 09:00 MST ON MAY 23	31.4 ON MAY 23	---	---	1928
1929	25.0 AT 09:00 MST ON MAY 24	24.1 ON MAY 24	---	---	1929
1930	25.7A ON MAY 20	25.1A ON MAY 20	---	---	1930
1931	31.4 AT 01:30 MST ON MAY 17	29.4 ON MAY 16	---	---	1931
1932	38.5 AT 11:00 MST ON MAY 22	35.4 ON MAY 22	---	---	1932
1933	38.5 AT 06:00 MST ON JUN 17	36.8 ON JUN 16	---	---	1933
1934	36.2 AT 21:00 MST ON JUN 7	28.6 ON JUN 8	---	---	1934
1935	30.3 AT 21:00 MST ON MAY 23	28.9 ON MAY 23	---	---	1935
1936	29.4 AT 21:00 MST ON MAY 16	26.7 ON MAY 15	---	---	1936
1937	63.7 AT 15:30 MST ON JUN 13	50.4 ON JUN 13	---	---	1937
1938	32.0 AT 06:00 MST ON MAY 27	30.0 ON MAY 26	---	---	1938
1939	30.0 AT 03:00 MST ON MAY 30	26.2 ON MAY 30	---	---	1939
1940	19.7 AT 02:30 MST ON MAY 12	18.2 ON MAY 12	---	---	1940
1941	14.2 AT 10:00 MST ON MAY 18	13.6 ON MAY 18	---	---	1941
1942	29.4 AT 07:30 MST ON JUN 6	28.1 ON JUN 6	---	---	1942
1943	46.2 AT 08:00 MST ON JUN 18	41.9 ON JUN 18	---	---	1943
1944	14.3 AT 00:00 MST ON MAY 17	14.1 ON MAY 17	---	---	1944
1945	23.9 AT 10:15 MST ON JUN 22	23.0 ON JUN 1	---	---	1945
1946	22.6 AT 04:30 MST ON MAY 29	21.8 ON MAY 29	---	---	1946
1947	---	25.0 ON OCT 19	---	---	1947
1948	35.4 AT 10:00 MST ON JUN 4	33.7 ON JUN 4	---	---	1948
1949	21.5 AT 05:00 MST ON MAY 28	20.3 ON MAY 28	---	---	1949
1950	34.3 AT 16:00 MST ON JUN 22	33.4 ON JUN 22	---	---	1950
1951	28.6 AT 01:00 MST ON JUN 16	27.1 ON JUN 15	---	---	1951
1952	23.0 AT 06:00 MST ON OCT 2	14.9 ON MAY 20	---	---	1952
1953	37.4 AT 14:00 MST ON JUN 13	35.4 ON JUN 13	---	---	1953
1954	36.2 AT 07:00 MST ON MAY 20	32.8 ON MAY 20	---	---	1954
1955	27.0 AT 12:00 MST ON JUN 25	25.5 ON JUN 25	---	---	1955
1956	31.1 AT 06:00 MST ON MAY 21	30.0 ON MAY 21	---	---	1956
1957	23.2 AT 07:00 MST ON MAY 8	22.1 ON MAY 8	---	---	1957
1958	23.6 AT 05:30 MST ON MAY 10	22.5 ON MAY 10	---	---	1958
1959	28.6 AT 03:00 MST ON JUN 6	26.8 ON JUN 6	0.510B ON MAR 12	161 000	1959
1960	27.4 AT 02:30 MST ON JUN 17	24.4 ON JUN 3	0.340E ON FEB 29	113 000	1960
1961	28.6 AT 14:00 MST ON MAY 27	27.9 ON MAY 27	0.382 ON JAN 14	129 000	1961
1962	17.1 AT 05:00 MST ON JUN 10	16.1 ON JUN 10	0.340B ON JAN 22	116 000	1962
1963	23.4 AT 19:00 MST ON JUN 10	21.5 ON JUN 10	0.396B ON JAN 31	121 000	1963
1964	190 AT 16:00 MST ON JUN 8 *	117 ON JUN 8 *	0.246 ON MAR 2 *	142 000	1964
1965	39.4 AT 06:00 MST ON JUN 19	37.9 ON JUN 19	0.425B ON MAR 25	130 000	1965
1966	23.4 AT 08:00 MST ON JUN 11	22.5 ON JUN 11	---	---	1966
				131 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	10.6	4.95	3.41	2.65	2.61	---	---	1912
1913	---	---	---	---	14.6	30.4	12.2	7.76	3.29	3.77	2.59	1.75	---	1913
1914	---	---	---	---	17.0	14.9	9.46	4.57	3.56	---	---	---	---	1914
1915	---	---	---	---	11.4	13.4	8.94	5.75	4.90	4.95	3.61	---	---	1915
1916	---	---	3.39	4.03	10.2	28.9	19.4	7.29	5.95	1.42	2.42	0.890	10.0	1916
1917	0.557	0.607	0.476	1.39	14.4	24.4	13.9	4.38	2.92	2.72	2.72	---	8.06	1917
1918	---	---	---	---	---	20.5	6.92	4.84	2.99	2.85	1.73	1.19	---	1918
1919	0.807	0.701	0.436	4.45	14.6	2.05	8.87	11.6	3.96	1.12	1.17	1.38	5.92	1919
1920	1.14	0.928	0.632	1.95	13.9	19.9	---	10.8	6.25	5.29	2.81	2.39	---	1920
1921	1.11	1.88	2.08	5.31	17.8	18.1	5.22	4.74	3.82	16.3	1.03	4.17	9.16	1921
1922	1.10	0.689	0.585	1.67	11.5	19.0	4.51	11.0	6.57	2.38	1.61	1.18	7.13	1922
1923	1.28	0.880	0.712	3.80	15.4	7.68	2.00	11.1	16.7	2.89	---	---	7.51	1923
1924	---	---	---	---	7.61	3.14	20.3	12.5	3.95	---	---	---	---	1924
1925	---	---	---	---	12.2	21.3	8.81	15.2	13.0	10.6	---	---	---	1925
1926	---	---	---	---	7.62	9.45	10.3	3.12	3.28	0.311	---	---	---	1926
1927	---	---	---	2.59	16.1	22.4	13.9	12.2	9.15	8.12	---	---	---	1927
1928	---	---	---	---	24.6	11.0	14.7	10.5	2.72	10.4	---	---	---	1928
1929	---	---	---	---	9.75	13.1	8.52	13.1	7.28	2.44	---	---	---	1929
1930	---	---	---	---	4.23	15.2	10.6	13.7	5.24	1.15	---	---	---	1930
1931	---	---	---	---	7.74	6.85	15.8	15.9	3.95	3.08	---	---	---	1931
1932	---	---	---	---	5.66	10.3	12.3	16.7	7.67	3.87	---	---	---	1932
1933	---	---	---	---	23.0	12.6	10.6	17.9	9.08	4.23	---	---	---	1933
1934	---	---	---	---	18.1	16.7	16.2	18.2	2.78	1.52	---	---	---	1934
1935	---	---	---	---	9.20	5.55	14.6	18.9	7.69	0.849	---	---	---	1935
1936	---	---	---	---	3.68	13.2	21.5	13.1	1.67	1.14	---	---	---	1936
1937	---	---	---	---	6.85	6.79	14.6	21.4	4.35	1.65	---	---	---	1937
1938	---	---	---	---	8.97	13.2	13.3	20.9	6.95	2.45	---	---	---	1938
1939	---	---	---	---	3.06	9.48	17.2	13.5	0.292	0.763	---	---	---	1939
1940	---	---	---	0.538	5.00	8.59	19.5	8.25	0.209	0.111	---	---	---	1940
1941	---	---	---	3.37	6.00	3.94	17.8	6.70	3.73	0.003	---	---	---	1941
1942	---	---	---	5.77	5.35	15.7	12.9	15.3	13.4	4.94	---	---	---	1942
1943	---	---	---	0.029	8.14	22.3	9.64	16.4	16.2	1.44	---	---	---	1943
1944	---	---	---	5.18	8.46	2.18	11.4	8.60	1.00	0.006	---	---	---	1944
1945	---	---	---	3.75	6.80	12.3	11.9	16.4	12.3	2.28	---	---	---	1945
1946	---	---	---	14.1	7.75	6.05	11.5	16.1	14.2	0.353	---	---	---	1946
1947	---	---	---	6.68	11.0	11.1	9.49	16.0	13.4	0.771	---	---	---	1947
1948	---	---	---	---	14.2	23.5	7.43	14.3	14.8	1.24	---	---	---	1948
1949	---	---	---	---	5.87	7.42	13.2	15.4	7.78	---	---	---	---	1949
1950	---	---	---	4.28	17.0	24.5	9.04	12.9	14.1	13.5	---	---	---	1950
1951	---	---	---	---	19.1	14.4	12.0	14.3	19.5	12.4	---	---	---	1951
1952	---	---	---	---	6.25	8.67	11.2	14.0	14.9	1.74	---	---	---	1952
1953	---	---	---	2.12	15.3	19.0	12.5	15.1	15.9	1.87	---	---	---	1953
1954	---	---	0	6.09	18.5	9.61	13.4	14.7	18.5	11.7	---	---	11.6	1954
1955	---	---	---	---	1.52	19.2	9.15	16.2	16.5	6.55	---	---	---	1955
1956	---	---	---	2.79	21.0	10.7	3.81	14.7	15.8	6.50	---	---	---	1956
1957	---	---	---	4.46	10.2	13.0	10.8	16.3	7.57	0.002	---	---	---	1957
1958	---	---	---	1.77	6.09	13.9	13.5	17.7	7.86	0.002	---	---	---	1958
1959	---	---	1.01	9.45	19.3	12.5	5.21	17.0	20.7	11.0	---	---	12.0	1959
1960	---	---	---	1.49	10.3	8.10	10.7	19.2	11.3	0.003	---	---	---	1960
1961	---	---	0.212	13.1	5.75	6.15	13.6	18.8	10.7	3.02	---	---	8.91	1961
1962	---	---	0.007	12.9	10.6	1.93	13.8	14.7	1.79	0.006	---	---	6.99	1962
1963	---	---	0.400	18.2	10.8	0.508	11.4	19.2	11.5	0.478	---	---	9.05	1963
1964	---	---	---	9.11	8.31	17.1	7.82	15.7	14.4	7.87	---	---	---	1964
1965	---	---	---	0.085	12.2	16.0	6.33	17.0	15.5	6.59	---	---	---	1965
1966	---	---	0.100	0.109	13.2	5.30	11.1	19.0	13.5	1.04	---	---	7.93	1966
1967	---	---	0.011	0.015	24.9	8.62	5.26	17.1	15.2	---	---	---	---	1967
1968	---	---	0.009	13.5	10.6	0.748	11.7	19.1	19.5	0.231	---	---	5.38	1968
1969	---	---	0.002	1.37	6.96	15.1	14.2	19.4	9.28	1.52	---	---	8.48	1969
1970	---	---	0.003	7.95	1.18	17.9	12.8	19.8	8.06	0.006	---	---	8.43	1970
1971	---	---	0.009	0.029	17.0	16.0	10.1	14.5	21.8	2.99	---	---	10.3	1971
1972	---	---	0.026	0.027	29.3	5.20	12.9	14.6	19.8	6.99	---	---	11.1	1972
1973	---	---	0.050	1.85	7.35	7.44	16.4	16.4	0.009	0.456	---	---	6.28	1973
1974	---	---	1.09	14.6	9.36	13.0	15.4	18.3	16.4	0	---	---	11.0	1974
1975	---	---	0.020	0.197	0.967	27.6	15.7	16.1	22.4	3.60	---	---	10.8	1975
1976	---	---	0.014	1.93	14.9	8.79	10.8	17.5	20.6	2.60	---	---	9.63	1976
1977	---	---	0.002	1.68	12.6	13.1	5.07	4.40	3.15	0.016	---	---	5.00	1977
1978	---	---	0.007	0.579	12.2	12.0	15.1	16.8	17.2	5.86	---	---	9.97	1978
1979	---	---	0.085	0.149	13.1	3.87	13.3	16.9	5.07	0.001	---	---	6.61	1979
1980	---	---	3.64	6.25	5.24	3.02	16.2	18.6	9.01	0.191	---	---	7.79	1980
1981	---	---	11.5	9.72	2.58	4.35	13.4	17.0	16.4	0.131	---	---	9.37	1981
MEAN	0.999	0.948	0.947	4.68	11.2	12.5	11.8	14.0	9.78	3.32	2.23	1.85	8.78	MEAN

LOCATION - LAT 48 50 00 N DRAINAGE AREA, 168 km²
LONG 113 30 50 W REGULATED

INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	52.4 ON MAY 28	---	---	1913
1914	---	30.9 ON JUN 4	---	---	1914
1915	---	23.1 ON JUN 26	---	---	1915
1916	---	63.7 ON JUN 17	0.113 ON APR 25	212 000	1916
1917	---	30.3 ON JUN 10	0.170 ON MAY 4	171 000	1917
1918	---	32.3 ON MAY 5	---	---	1918
1919	---	26.9 ON MAY 29	0 E ON MAR 3 *	125 000	1919
1920	---	42.2 ON AUG 3	0 ON JUN 29	---	1920
1921	34.0 AT 15:30 MST ON MAY 28	32.6 ON MAY 29	0.014 ON JUN 29	194 000	1921
1922	35.1 AT 07:00 MST ON JUN 7	33.1 ON JUN 7	0.003 ON JUN 26	151 000	1922
1923	24.5 AT 10:00 MST ON JUN 11	23.7 ON JUN 10	0 A ON JUN 21	159 000	1923
1924	24.3A ON JUL 19	24.3A ON JUL 19	---	---	1924
1925	37.7 AT 14:00 MST ON JUN 18	30.6 ON JUN 23	---	---	1925
1926	31.7 AT 18:00 MST ON OCT 18	13.6 ON JUL 19	---	---	1926
1927	47.3 AT 21:00 MST ON JUN 8	47.0 ON JUN 9	---	---	1927
1928	51.8 ON MAY 11	46.7 ON MAY 10	---	---	1928
1929	38.5 AT 15:30 MST ON OCT 14	32.8 ON MAY 25	---	---	1929
1930	26.5 ON JUN 12	26.2 ON JUN 13	---	---	1930
1931	18.2 AT 00:30 MST ON JUL 24	17.9 ON JUL 24	---	---	1931
1932	34.5 AT 20:30 MST ON MAY 31	22.6 ON JUN 17	---	---	1932
1933	32.6 AT 24:00 MST ON JUN 2	32.3 ON JUN 2	---	---	1933
1934	50.1 AT 22:00 MST ON JUN 7	37.1 ON JUN 8	---	---	1934
1935	21.8 AT 19:30 MST ON AUG 20	21.5 ON AUG 21	---	---	1935
1936	24.5 AT 19:45 MST ON AUG 13	23.4 ON AUG 14	---	---	1936
1937	31.7 AT 15:00 MST ON JUN 15	24.0 ON AUG 1	---	---	1937
1938	---	27.0A ON MAY 29	---	---	1938
1939	28.3 AT 14:30 MST ON JUL 17	24.1 ON AUG 6	---	---	1939
1940	21.5 AT 09:30 MST ON JUL 26	21.1 ON JUL 14	---	---	1940
1941	22.5 AT 17:00 MST ON JUL 9	21.7 ON JUL 10	---	---	1941
1942	43.3 AT 20:00 MST ON JUN 5	42.5 ON JUN 6	---	---	1942
1943	54.7 AT 22:00 MST ON JUN 21	52.7 ON JUN 22	---	---	1943
1944	18.6 AT 19:30 MST ON AUG 6	18.0 ON AUG 5	---	---	1944
1945	25.8 AT 15:15 MST ON JUN 4	25.3 ON JUN 5	0 A ON APR 1	---	1945
1946	19.5 AT 09:00 MST ON SEP 3	19.2 ON SEP 3	---	---	1946
1947	21.1 AT 19:00 MST ON MAY 14	21.0 ON MAY 14	---	---	1947
1948	38.5 AT 09:45 MST ON JUN 17	38.2 ON JUN 18	---	---	1948
1949	17.6 AT 23:00 MST ON AUG 4	17.5 ON JUL 24	---	---	1949
1950	30.9 ON JUN 24	30.6 ON JUN 25	---	---	1950
1951	40.2 AT 17:30 MST ON JUN 16	39.6 ON JUN 17	---	---	1951
1952	31.1 AT 00:01 MST ON OCT 1	19.2 ON JUN 9	---	---	1952
1953	36.0 AT 18:00 MST ON JUN 14	35.7 ON JUN 14	0.020 ON OCT 27	---	1953
1954	54.4 AT 13:00 MST ON SEP 15	31.1 ON MAY 23	0 B ON MAR 1	245 000	1954
1955	33.4 AT 22:30 MST ON JUN 24	33.4 ON JUN 25	---	---	1955
1956	46.2 AT 19:00 MST ON MAY 22	44.2 ON MAY 23	---	---	1956
1957	22.8 AT 14:00 MST ON JUN 9	22.7 ON JUN 9	0 E ON SEP 28	---	1957
1958	30.3 AT 23:00 MST ON JUN 19	26.8 ON JUN 11	0 ON OCT 17	---	1958
1959	33.7 AT 09:00 MST ON SEP 30	30.0 ON OCT 1	0.003B ON MAR 1	254 000	1959
1960	61.7 AT 13:20 MST ON JUL 28	25.1 ON JUL 28	0 ON OCT 21	---	1960
1961	33.7 AT 11:30 MST ON JUN 30	24.7 ON JUN 30	0 B ON MAR 1	188 000	1961
1962	19.5 AT 15:00 MST ON APR 9	19.1 ON APR 10	0 ON OCT 21	148 000	1962
1963	25.6 AT 15:30 MST ON APR 5	21.8 ON APR 9	0.006E ON MAR 1	192 000	1963
1964	66.8 AT 16:30 MST ON JUN 11	66.3 ON JUN 12 *	---	---	1964
1965	44.2 AT 09:00 MST ON MAY 16	37.4 ON MAY 16	---	---	1965
1966	27.2 AT 11:00 MST ON APR 25	22.9 ON JUN 4	0.008 ON OCT 31	168 000	1966
1967	47.9 AT 10:45 MST ON MAY 10	47.0 ON MAY 11	---	---	1967
1968	30.3 AT 14:15 MDT ON SEP 19	28.3 ON SEP 20	0.005 ON OCT 27	199 000	1968
1969	68.5 AT 20:30 MDT ON JUN 25 *	44.5 ON JUN 26	0 ON OCT 18	180 000	1969
1970	67.1 AT 11:00 MDT ON JUL 8	62.6 ON JUN 10	0.003B ON MAR 1	178 000	1970
1971	62.0 AT 07:15 MST ON MAY 14	59.5 ON MAY 29	0.003 ON OCT 29	218 000	1971
1972	57.5 AT 09:45 MST ON MAY 18	54.4 ON MAY 20	0.008E ON MAR 1	236 000	1972
1973	22.5 AT 08:30 MST ON AUG 6	21.8 ON AUG 7	0 ON SEP 28	133 000	1973
1974	48.7 AT 17:30 MST ON JUN 17	47.0 ON JUN 18	0 ON SEP 28	232 000	1974
1975	64.6 AT 15:30 MST ON JUN 21	64.3 ON JUN 21	0 ON OCT 2	228 000	1975
1976	---	26.5 ON MAY 12	0.003 ON OCT 28	204 000	1976
1977	18.9 AT 10:00 MST ON JUN 27	18.0 ON MAY 25	0 ON SEP 20	106 000	1977
1978	28.1 AT 07:30 MST ON JUN 9	27.9 ON JUN 9	0.001 ON MAR 6	211 000	1978
1979	53.4 AT 22:30 MDT ON MAY 27	39.9 ON MAY 27	0.001 ON SEP 20	140 000	1979
1980	19.9 AT 09:45 MDT ON AUG 15	19.5 ON AUG 16	0 ON OCT 7	165 000	1980
1981	65.1 AT 12:00 MDT ON JUL 15	21.8 ON JUL 29	0 ON OCT 3	198 000	1981
MEAN				186 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.077	0.243	0.232	0.138	0.104	0.011	0	---	---	---	1921
1922	---	---	---	0.022	0.013	0.027	0.008	0.029	0.021	0	---	---	---	1922
MEAN	---	---	---	0.050	0.128	0.130	0.073	0.067	0.016	0	---	---	---	MEAN

LOCATION - LAT 52 19 00 N LONG 114 04 00 W
DRAINAGE AREA, 153 km^2
NATURAL FLOW

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.311 ON MAY 26 *	0 ON APR 1 *	---	1921
1922	---	0.071 ON APR 20	0 ON APR 1	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0	0.302	3.64	4.57	1.10	1.75	3.95	0.279	---	1.96	1921
1922	---	---	---	0	0	2.60	3.34	1.19	0.781	2.52	0.684	---	1.40	1922
1923	---	---	---	0	0.542	0.990	1.21	0.614	1.01	2.05	0.166	---	0.828	1923
1924	---	---	---	0	1.41	2.39	3.94	1.53	2.28	3.81	0.262	---	1.97	1924
1925	---	---	---	0	0.483	3.55	3.60	1.71	0.859	0.374	0.121	---	1.34	1925
1926	---	---	---	0	1.55	3.43	4.11	1.58	0.514	0.975	0.687	---	1.61	1926
1927	---	---	---	0	0	0.174	0.835	0.950	0.476	0.402	0.076	---	0.367	1927
1928	---	---	---	0	0.937	1.26	0.276	1.21	0.869	1.23	1.03	---	0.851	1928
1929	---	---	---	0	0.244	0.841	3.16	3.26	1.02	2.51	0.640	---	1.47	1929
1930	---	---	---	0	0.999	4.85	4.51	2.98	1.16	0.714	0.535	---	1.97	1930
1931	---	---	---	---	---	---	---	3.03	1.05	---	---	---	---	1931
1932	---	---	---	0	0.501	1.57	4.88	2.47	0.482	0.692	0.317	---	1.38	1932
1933	---	---	---	0	0.096	3.40	4.17	3.26	0.819	0.691	0	---	1.56	1933
1934	---	---	---	0	3.56	0.805	4.03	3.45	1.21	0.524	0	---	1.72	1934
1935	---	---	---	0	0.078	2.86	4.41	3.11	2.19	0.851	0	---	1.69	1935
1936	---	---	---	0	0.182	3.22	5.54	2.77	0.970	0.001	0	---	1.59	1936
1937	---	---	---	0	1.16	3.62	5.09	2.93	3.60	0.670	0	---	2.14	1937
1938	---	---	---	0	0.325	4.11	3.82	2.85	2.88	1.53	0	---	1.94	1938
1939	---	---	---	0	3.13	1.63	3.43	4.09	3.32	0.476	0	---	2.02	1939
1940	---	---	---	0	0.381	4.12	4.47	3.57	2.67	0.854	0	---	2.01	1940
1941	---	---	---	0	1.51	1.99	3.98	3.53	1.48	0.602	0	---	1.65	1941
1942	---	---	---	0	0.348	1.10	3.50	2.82	1.08	0.887	0.217	---	1.25	1942
1943	---	---	---	0	0.279	4.19	5.58	4.74	3.57	1.87	0.065	---	2.55	1943
1944	---	---	---	0.026	1.96	3.31	4.03	3.64	4.11	1.55	0.026	---	2.34	1944
1945	---	---	---	0	0.114	2.57	5.14	5.10	2.36	0.504	0	---	1.99	1945
1946	---	---	---	0	3.23	2.54	4.71	4.73	2.10	0.882	0.565	---	2.36	1946
1947	---	---	---	0	0	1.21	5.16	2.39	1.58	0.789	0.062	---	1.41	1947
1948	---	---	---	0	0	0.847	4.16	4.23	3.71	1.80	0.106	---	1.87	1948
1949	---	---	---	0.345	2.54	2.97	5.39	4.66	3.60	1.59	0	---	2.65	1949
1950	---	---	---	0	0.648	4.93	5.29	5.30	5.11	2.22	0.255	---	2.98	1950
1951	---	---	---	0	0.391	1.36	0.941	4.19	0.735	0.865	0	---	1.07	1951
MEAN	---	---	---	0.012	0.897	2.54	3.91	3.00	1.91	1.28	0.203	---	1.73	MEAN

LOCATION - LAT 49 46 45 N
LONG 112 27 20 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	5.21 ON JUL 2	0 ON APR 1 *	41 300	1921
1922	---	4.81 ON JUN 25	0 ON APR 1	29 400	1922
1923	---	2.94 ON OCT 24	0 ON APR 1	17 500	1923
1924	---	4.53 ON OCT 30	0 ON APR 1	41 500	1924
1925	---	4.70 ON JUN 8	0 ON APR 1	28 300	1925
1926	---	4.59 ON JUN 15	0 ON APR 1	34 000	1926
1927	---	1.44 ON AUG 1	0 ON APR 1	7 740	1927
1928	---	3.74 ON NOV 13	0 ON APR 1	17 900	1928
1929	---	5.47 ON JUL 23	0 ON APR 1	31 100	1929
1930	---	5.75 ON JUL 16	0 ON APR 1	41 700	1930
1931	---	---	---	---	1931
1932	---	5.55 ON JUL 24	0 ON APR 1	29 000	1932
1933	---	5.38 ON JUL 27	0 ON APR 1	33 000	1933
1934	---	5.38 ON MAY 28	0 ON APR 1	36 200	1934
1935	---	5.13 ON JUL 15	0 ON APR 1	35 700	1935
1936	---	6.00 ON JUL 10	0 ON APR 1	33 600	1936
1937	---	6.31 ON JUL 12	0 ON APR 1	45 100	1937
1938	---	6.00 ON JUN 19	0 ON APR 1	40 800	1938
1939	---	5.49 ON MAY 21	0 ON APR 1	42 600	1939
1940	---	6.00 ON JUN 23	0 ON APR 1	42 500	1940
1941	---	6.14A ON JUL 25	0 ON APR 1	34 800	1941
1942	---	5.21 ON JUL 11	0 ON APR 1	26 500	1942
1943	---	5.86 ON JUL 29	0 ON APR 1	53 700	1943
1944	---	5.75 ON AUG 1	0 ON APR 1	49 400	1944
1945	---	6.09 ON AUG 1	0 ON APR 1	41 900	1945
1946	---	6.31 ON JUL 31	0 ON APR 1	49 800	1946
1947	---	6.17 ON JUL 31	0 ON APR 1	29 700	1947
1948	---	6.43 ON JUL 12	0 ON APR 1	39 300	1948
1949	---	5.83 ON AUG 5	0 ON APR 1	55 200	1949
1950	---	6.65 ON JUN 21 *	0 ON APR 1	62 800	1950
1951	---	5.80 ON AUG 9	0 ON APR 1	22 600	1951
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		36 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

TABER IRRIGATION DISTRICT CANAL NEAR CRAWFORD - STATION NO. 05AG012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.250	0.721	1.23	1.40	0.861	---	---	---	1966
1967	---	---	---	---	0.239	0.022	0.755	1.28	1.04	0.720	---	---	---	1967
1968	---	---	---	---	0.141	0.775	0.588	0.573	0.557	0.270	---	---	---	1968
MEAN	---	---	---	---	0.190	0.349	0.688	1.03	0.999	0.617	---	---	---	MEAN

LOCATION - LAT 49 44 45 N
LONG 112 21 15 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CRAWFORD - STATION NO. 05AG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	1.69 ON JUL 25	---	---	1966
1967	---	1.76 ON AUG 6 *	---	---	1967
1968	---	1.19 ON JUN 30	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.49	0.854	0.413	0.090	---	1975
1976	0.018	0	0.010	4.21	0.936	0.606	0.712	---	---	---	---	0.006	---	1976
1977	0.002	0	0	0.773	0.901	0.825	1.40	0.628	0.529	0.664	0.147	0.049	0.496	1977
MEAN	0.010	0	0.005	2.49	0.919	0.716	1.06	0.628	1.01	0.759	0.280	0.048	0.496	MEAN

LOCATION - LAT 57 21 14 N DRAINAGE AREA, 301 km^2
LONG 111 45 29 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	14.5 A ON APR 9 *	0B ON FEB 1 *	---	1976
1977	2.97 AT 12:53 MST ON JUL 5 *	2.78 ON JUL 5	0B ON JAN 30	15 600	1977
				15 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	---	0.410	0.158	0.012	---	1976
1977	0	0	0	0.499	0.676	0.512	0.828	0.436	0.402	0.436	0.120	0.028	0.330	1977
MEAN	0	0	0	0.499	0.676	0.512	0.828	0.436	0.402	0.423	0.139	0.020	0.330	MEAN

LOCATION - LAT 57 29 05 N DRAINAGE AREA, 103 km^2
LONG 112 01 10 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 29 *	---	1976
1977	1.81 AT 14:15 MST ON JUL 4 *	1.76 ON JUL 4 *	0B ON JAN 1	10 400	1977
				10 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0.314	0.409	0.052	0.002	0.001	0	0	---	---	0.097	1981
1982	---	---	0	0.186	0.027	0	0	0	0	0	---	---	0.026	1982
MEAN	---	---	0	0.250	0.218	0.026	0.001	0.001	0	0	---	---	0.062	MEAN

LOCATION - LAT 58 08 16 N DRAINAGE AREA, 133 km^2
LONG 116 14 55 W NATURAL FLOW

TEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	1.63 AT 10:00 MST ON APR 30	1.58 ON APR 30 *	0B ON MAR 1 *	2 050	1981
1982	2.26A AT 19:00 MST ON APR 22 *	1.53B ON APR 22	0B ON MAR 1	554	1982
				1 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.790	0.317	0.030	0	0	0	0.001	---	---	---	1912
1913	---	---	---	0.882	0.141	0.014	0.015	0	0	0	---	---	---	1913
1914	---	---	---	0.390	0.065	0.022	0	0	0	0.087	---	---	---	1914
1915	---	---	---	0.165	0.041	0.113	0.045	0.001	0	0.009	---	---	---	1915
1916	---	---	0.887	0.408	0.737	1.18	0.330	0.084	0.059	0.072	---	---	---	1916
1917	---	---	---	---	---	0.063	0	0	0	0	---	---	---	1917
1918	---	---	---	1.79	0.133	0.004	---	0	0	0	---	---	---	1918
1919	---	---	---	0.183	0.028	0.002	---	0	0	0	---	---	---	1919
1920	---	---	---	---	0.314	0.008	0.001	0	0	0	---	---	---	1920
1921	---	---	0.127	0.574	0.399	0.020	0.030	0	0	0	---	---	---	1921
1922	---	---	0.011	1.07	0.553	0.046	0	0	0	0	---	---	---	1922
MEAN	---	---	0.342	0.695	0.273	0.137	0.047	0.008	0.005	0.015	---	---	---	MEAN

LOCATION - LAT 49 32 00 N DRAINAGE AREA, 33.2 km^2
LONG 110 17 00 W NATURAL FLOW

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUL 12 *	---	1912
1913	---	3.23 ON APR 16	0 ON APR 1	---	1913
1914	---	---	0 ON JUL 1	---	1914
1915	---	---	0 ON MAY 6	---	1915
1916	---	---	---	---	1916
1917	---	---	0 ON JUN 28	---	1917
1918	---	---	0 ON MAY 20	---	1918
1919	---	---	0 ON JUN 19	---	1919
1920	---	---	0 ON JUN 9	---	1920
1921	---	---	0B ON MAR 25	---	1921
1922	---	6.51B ON APR 22 *	0 ON JUL 3	---	1922
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.197	0.359	---	---	1.17	0.281	0.023	---	1976
1977	0.011	0.011	0.006	0.311	0.439	0.788	0.569	0.325	0.221	0.407	0.147	0.019	0.272	1977
MEAN	0.011	0.011	0.006	0.311	0.439	0.493	0.464	0.325	0.221	0.789	0.214	0.021	0.272	MEAN

LOCATION - LAT 56 53 55 N DRAINAGE AREA, 176 km^2
LONG 112 10 15 W NATURAL FLOW

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	6.29 IN SEP *	---	---	---	1976
1977	1.21 AT 12:36 MST ON JUN 18	1.17 ON JUN 18 *	0B ON MAR 21 *	8 580	1977
				8 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	4.14	0.151	0.051	0.011	0	0	0	---	---	0.534	1971
1972	---	---	0.014	0.919	0.171	0.140	0.029	0.002	0.011	0.010	---	---	0.160	1972
1973	---	---	0.669	0.949	0.118	0.124	0.080	0.037	0.004	0.003	---	---	0.247	1973
1974	---	---	0	3.58	0.822	0.061	0.033	0.001	0.001	0.030	---	---	0.559	1974
1975	---	---	0	1.20	0.535	0.039	0.004	0	0	0	---	---	0.219	1975
1976	---	---	0.001	0.360	0.007	0.021	0.016	0.052	0	0	---	---	0.056	1976
1977	---	---	0	0.198	0.154	0.018	0	0	0	0	---	---	0.046	1977
1978	---	---	0.345	0.285	0.124	0.060	0.012	0.013	0.026	0.032	---	---	0.112	1978
1979	---	---	0.419	0.160	0.083	0.011	0.005	0	0	0	---	---	0.085	1979
1980	---	---	0	0.198	0.001	0.023	0.007	0	0	0	---	---	0.028	1980
1981	---	---	0.228	0.067	0.292	0.011	0.007	0.041	0	0	---	---	0.081	1981
1982	---	---	0.001	1.30	0.087	0.021	0.127	0.010	0.005	0.010	---	---	0.193	1982
MEAN	---	---	0.140	1.11	0.212	0.048	0.028	0.013	0.004	0.007	---	---	0.193	MEAN

LOCATION - LAT 51 59 10 N DRAINAGE AREA, 197 km²
LONG 113 34 04 W NATURAL FLOW

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	24.3 ON APR 15 *	18.6 ON APR 15 *	0B ON MAR 1 *	11 300	1971
1972	---	5.72 ON APR 7	0B ON MAR 1	3 380	1972
1973	---	4.79B ON MAR 25	0B ON MAR 1	5 220	1973
1974	15.0 AT 00:00 MST ON APR 20	11.4 ON APR 20	0B ON MAR 1	11 800	1974
1975	6.88B AT 04:00 MST ON APR 22	5.89B ON APR 22	0B ON MAR 1	4 640	1975
1976	---	1.76 ON APR 8	0B ON MAR 1	1 190	1976
1977	---	1.17 ON APR 7	0 ON MAR 1	974	1977
1978	---	3.60B ON MAR 30	0B ON MAR 1	2 370	1978
1979	---	2.65 ON MAR 13	0 ON MAR 1	1 800	1979
1980	---	1.39 ON APR 14	0 ON MAR 1	596	1980
1981	---	2.76 ON MAY 7	0 ON JUN 22	1 720	1981
1982	---	9.23 ON APR 14	0B ON MAR 1	4 080	1982
				4 090	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.264	0.128	0.043	0.049	---	---	---	1965
1966	---	---	6.81	5.14	0.279	0.346	0.900	0.118	0.015	0.049	---	---	1.71	1966
1967	---	---	0.078	8.64	2.14	0.298	0.034	0	0	0	---	---	1.38	1967
1968	---	---	0.265	0.182	0.063	0.041	0.235	0.243	0.032	0.105	---	---	0.146	1968
1969	---	---	0.023	14.9	0.298	0.035	0.205	0.008	0.296	0.130	---	---	1.95	1969
1970	---	---	1.02	4.94	0.324	1.79	0.964	0.101	0.017	0.066	---	---	1.14	1970
1971	---	---	0.048	17.7	0.736	0.702	0.043	0.008	0.002	0.013	---	---	2.36	1971
1972	---	---	0.187	0.745	0.182	1.20	0.506	0.018	0.007	0.029	---	---	0.356	1972
1973	---	---	2.41	2.49	0.620	0.435	0.254	0.055	0.141	0.089	---	---	0.809	1973
1974	---	---	0.004	16.1	4.24	0.422	0.080	0.083	0.681	0.080	---	---	2.67	1974
1975	---	---	0	3.33	---	0.245	0.111	0.101	0.298	0.270	---	---	---	1975
1976	---	---	1.25	0.713	0.216	0.134	0.104	0.584	0.023	0.026	---	---	0.382	1976
1977	---	---	0.100	0.775	0.150	0.091	0.068	0.055	0.179	0.151	---	---	0.194	1977
1978	---	---	2.09	2.93	0.231	0.344	0.014	0.042	0.185	0.085	---	---	0.736	1978
1979	---	---	1.72	0.696	0.253	0.070	0.044	0.032	0.003	0.126	---	---	0.370	1979
1980	---	---	0.020	2.17	0.107	0.976	0.408	0.155	0.025	0.053	---	---	0.482	1980
1981	---	---	0.908	0.197	1.33	0.034	0.230	0.075	0.019	0.064	---	---	0.360	1981
1982	---	---	0.702	4.97	0.608	0.080	0.221	0.064	0.102	0.136	---	---	0.850	1982
MEAN	---	---	1.04	5.10	0.736	0.426	0.260	0.104	0.115	0.085	---	---	0.993	MEAN

LOCATION - LAT 51 33 53 N DRAINAGE AREA, 1 070 km²
LONG 113 04 18 W REGULATED

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	38.8 B AT 23:00 MST ON MAR 28	25.9 ON APR 1	0 B ON MAR 1 *	36 100	1966
1967	22.6 B AT 21:45 MST ON APR 4	18.3 ON APR 15	0 B ON MAR 19	29 200	1967
1968	1.26 AT 02:53 MST ON JUL 29	1.20 ON JUL 29	0 ON MAY 25	3 100	1968
1969	---	72.5 ON APR 7 *	0 B ON MAR 1	41 200	1969
1970	15.8 AT 07:00 MST ON APR 10	15.4 ON APR 10	0 B ON MAR 1	24 100	1970
1971	53.2 B AT 22:30 MST ON APR 9	42.2 B ON APR 9	0 B ON MAR 1	50 100	1971
1972	10.2 AT 05:00 MST ON JUN 13	7.84 ON JUN 13	0 B ON MAR 1	7 530	1972
1973	10.4 B AT 12:45 MST ON MAR 30	9.26B ON MAR 30	0 B ON MAR 1	17 100	1973
1974	50.4 B AT 14:50 MST ON APR 15	45.0 B ON APR 15	0 B ON MAR 1	56 600	1974
1975	15.0 B AT 19:20 MST ON APR 20	12.9 B ON APR 20	0 B ON MAR 1	---	1975
1976	6.71B AT 17:00 MST ON MAR 23	5.66B ON MAR 23	0 ON SEP 30	8 090	1976
1977	6.54B AT 21:00 MST ON APR 6	4.76B ON APR 6	0 B ON MAR 1	4 110	1977
1978	19.4 AT 02:00 MST ON MAR 30	16.5 ON MAR 30	0 B ON MAR 1	15 600	1978
1979	---	3.76B ON MAR 16	0 B ON MAR 1	7 820	1979
1980	64.0 AT 21:45 MST ON JUN 17 *	6.18B ON APR 13	0 B ON MAR 1	10 200	1980
1981	10.3 AT 00:25 MST ON MAY 8	7.80 ON MAY 8	0.003 ON SEP 18	7 620	1981
1982	15.8 B AT 17:54 MST ON APR 14	14.9 B ON APR 14	0 B ON MAR 1	18 000	1982
MEAN				21 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.013	0.004	0.007	0.009	---	---	---	1967
1968	---	---	0.383	0.157	0.017	0.014	0.172	0.117	0.017	0.047	---	---	---	1968
1969	---	---	0.008	6.09	0.139	0.052	0.208	0.040	0.166	0.068	---	---	---	1969
MEAN	---	---	0.196	3.12	0.078	0.033	0.131	0.054	0.063	0.041	---	---	---	MEAN

LOCATION - LAT 51 51 30 N   DRAINAGE AREA, 458 km^2
LONG 113 25 30 W   NATURAL FLOW

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	1.70B ON MAR 6	---	---	1968
1969	---	33.4 A ON APR 7 *	0B ON FEB 27 *	---	1969
MEAN				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	6.43	11.8	6.60	6.21	2.01	0.312	0.255	---	---	---	1909
1912	---	---	---	2.96	4.42	5.09	12.5	3.47	1.22	1.73	---	---	---	1912
1913	---	---	---	---	4.68	4.54	4.29	2.38	0.839	0.573	---	---	---	1913
1914	---	---	---	---	3.40	2.76	0.984	0.207	0.228	1.59	---	---	---	1914
1915	---	---	---	0.912	14.3	16.5	13.2	4.19	2.56	2.46	---	---	---	1915
1916	---	---	---	5.18	7.81	17.8	3.58	11.3	9.67	4.59	---	---	---	1916
1965	---	---	---	---	---	---	---	2.91	4.24	2.96	---	---	---	1965
1966	---	---	0.726	1.19	5.87	8.70	3.25	1.12	0.399	0.387	---	---	2.70	1966
1967	---	---	0.174	2.59	19.5	18.9	1.91	0.324	0.104	0.095	---	---	5.42	1967
1968	---	---	0.244	0.836	2.94	5.13	1.18	0.910	1.21	2.05	0.621	0.195	1.80	1968
1969	0.055	0.061	0.727	7.45	8.20	16.1	12.6	0.576	0.310	0.305	---	---	5.76	1969
1970	---	---	0	1.97	6.34	8.84	1.11	0.138	0.068	0.152	---	---	2.31	1970
1971	---	---	0.020	3.66	3.41	5.92	0.509	0.081	0.086	0.187	---	---	1.72	1971
1972	---	---	2.28	4.92	8.31	4.70	1.63	0.718	0.501	0.512	---	---	2.94	1972
1973	---	---	1.20	3.03	8.78	5.95	0.840	0.531	0.831	0.396	---	---	2.69	1973
1974	---	---	0.427	7.55	16.5	7.81	0.930	0.635	0.570	0.429	---	---	4.35	1974
1975	---	---	0.019	2.99	6.05	5.79	1.60	0.520	0.194	0.166	---	---	2.16	1975
1976	---	---	0.065	1.72	2.89	0.975	0.282	3.85	0.677	0.311	---	---	1.35	1976
1977	---	---	0.193	1.68	2.21	0.967	0.265	0.723	0.872	0.748	---	---	0.954	1977
1978	---	---	2.12	3.30	6.51	6.47	2.79	1.33	1.08	0.528	---	---	3.01	1978
1979	---	---	1.53	3.37	5.86	1.90	0.635	0.198	0.045	0.059	---	---	1.70	1979
1980	---	---	0.022	3.47	3.24	7.24	0.523	0.862	1.42	0.645	---	---	2.15	1980
1981	---	---	0.315	0.603	14.4	8.98	3.70	2.11	0.456	0.298	---	---	3.87	1981
1982	---	---	0.015	1.32	1.24	4.69	2.34	0.271	0.347	0.424	---	---	1.32	1982
MEAN	0.055	0.061	0.593	3.20	7.33	7.49	3.34	1.72	1.18	0.910	0.621	0.195	2.72	MEAN

LOCATION - LAT 50 46 14 N   DRAINAGE AREA, 507 km^2
LONG 114 16 39 W   NATURAL FLOW

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	23.1 ON MAY 24	---	---	1909
1912	---	25.5 ON JUL 8	---	---	1912
1913	---	15.5 ON MAY 14	---	---	1913
1914	---	8.01 ON JUN 14	---	---	1914
1915	159 ON JUN 26	60.0 ON JUN 26	---	---	1915
1916	---	47.0 ON AUG 18	---	---	1916
1965	---	---	---	---	1965
1966	32.6 AT 06:00 MST ON JUN 10	24.6 ON JUN 5	0.059B ON MAR 1	57 000	1966
1967	283 AT 22:00 MST ON MAY 30 *	164 ON MAY 31 *	0.028B ON MAR 1	115 000	1967
1968	26.0 AT 10:15 MST ON JUN 8	20.2 ON JUN 8	0.085B ON MAR 1	38 200	1968
1969	146 AT 14:25 MST ON JUN 29	109 ON JUN 29	0.045B ON MAR 9	122 000	1969
1970	75.9 AT 08:35 MST ON JUN 14	56.1 ON JUN 14	0 B ON MAR 1 *	48 900	1970
1971	41.6 AT 13:00 MST ON JUN 6	30.9 ON JUN 6	0.006B ON MAR 1	36 300	1971
1972	27.3 AT 22:00 MST ON APR 6	18.0 ON APR 6	0.014B ON MAR 11	62 400	1972
1973	32.8 AT 18:00 MST ON MAY 26	24.6 ON MAY 27	0.127B ON MAR 1	56 900	1973
1974	53.8 AT 23:30 MST ON APR 30	34.3 ON APR 30	0.025B ON MAR 8	92 100	1974
1975	33.1 AT 20:00 MST ON JUN 20	28.9 ON JUN 20	0.014B ON MAR 6	45 600	1975
1976	17.4 AT 20:00 MST ON AUG 9	13.0 ON AUG 10	0.014B ON MAR 3	28 500	1976
1977	17.3 AT 22:30 MST ON APR 4	7.65 ON APR 5	0.057B ON MAR 1	20 200	1977
1978	37.1 AT 08:00 MST ON MAY 31	27.3 ON MAY 31	0.040B ON MAR 1	63 700	1978
1979	10.4 AT 03:00 MST ON APR 28	9.03 ON MAY 17	0.017B ON MAR 1	36 000	1979
1980	38.5 AT 02:30 MST ON JUN 4	31.7 ON JUN 4	0.014B ON MAR 24	45 600	1980
1981	45.2 AT 02:30 MST ON JUN 14	34.3 ON JUN 14	0.119B ON MAR 9	81 800	1981
1982	18.1 AT 07:12 MST ON JUN 28	14.3 ON JUN 30	0.008B ON MAR 1	27 900	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 500	MEAN

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.562	0.219	0.192	---	---	---	1909
1910	---	---	---	0.279	0.542	0.309	0.104	0.060	0.089	0.094	---	---	0.200	1910
1911	---	---	---	---	1.48	1.22	0.395	0.521	0.631	0.426	---	---	0.776	1911
1912	---	---	---	---	0.646	0.569	0.603	0.409	0.272	0.241	---	---	0.457	1912
1913	---	---	---	---	1.23	1.21	0.397	0.207	0.138	0.164	---	---	0.556	1913
1914	---	---	---	0.820	0.654	0.566	0.284	0.173	0.163	0.272	---	---	0.352	1914
1915	---	---	---	0.561	1.85	2.41	1.60	0.465	0.315	0.360	---	---	1.17	1915
1916	---	---	---	---	1.24	1.94	1.37	0.399	0.263	0.205	---	---	0.901	1916
1974	---	---	---	---	1.44	1.53	0.554	0.294	0.157	0.132	---	---	0.683	1974
1975	---	---	---	---	1.15	1.57	0.665	0.292	0.132	0.146	---	---	0.657	1975
1976	---	---	---	---	0.698	0.473	0.191	2.01	0.438	0.280	---	---	0.685	1976
1977	---	---	---	---	0.184	0.120	0.040	0.060	0.110	0.114	---	---	0.105	1977
1978	---	---	---	---	1.90	1.41	1.37	0.456	0.311	0.196	---	---	0.943	1978
1979	---	---	---	---	1.46	0.890	0.298	0.168	0.094	0.115	---	---	0.505	1979
1980	---	---	---	---	0.418	0.496	0.134	0.139	0.077	0.141	---	---	0.234	1980
1981	---	---	---	---	1.94	1.49	0.618	0.238	0.115	0.118	---	---	0.752	1981
1982	---	---	---	0.781	0.447	0.789	0.326	0.102	0.075	0.063	---	---	0.299	1982
MEAN	---	---	---	0.610	1.08	1.06	0.559	0.386	0.212	0.192	---	---	0.580	MEAN

LOCATION - LAT 49 39 27 N   DRAINAGE AREA, 144 km^2
LONG 114 07 37 W   NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.864 ON MAY 19	0.020 ON AUG 21	3 170	1910
1911	---	4.11 ON MAY 17	0.258 ON SEP 1	12 300	1911
1912	---	1.64 ON JUN 16	0.170 ON OCT 6	7 270	1912
1913	---	1.93 ON MAY 31	0.110 ON OCT 31	8 840	1913
1914	---	1.70 ON JUN 26	0.099 ON AUG 16	5 590	1914
1915	---	7.67 ON JUN 26	0.249 ON SEP 2	18 500	1915
1916	---	3.68 ON JUN 29	0.042 ON OCT 30	14 300	1916
1974	---	2.23 ON MAY 20	0.054 ON SEP 26	10 900	1974
1975	10.5 ON JUN 20 *	5.64 ON JUN 20	0.074 ON OCT 1	10 400	1975
1976	---	12.4 ON AUG 6 *	0.122 ON JUL 28	10 900	1976
1977	---	0.280 ON MAY 23	0 ON JUL 19 *	1 660	1977
1978	---	5.86 ON JUL 8	0.127B ON OCT 31	15 000	1978
1979	---	2.08 ON MAY 8	0.061 ON SEP 25	8 030	1979
1980	---	2.16 ON JUN 6	0.029 ON JUL 30	3 720	1980
1981	---	8.56 ON JUN 14	0.058 ON SEP 5	12 000	1981
1982	---	3.23 ON JUN 15	0.009 ON SEP 10	4 750	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 210	MEAN

TODD CREEK NEAR HIGHWAY NO.22 - STATION NO. 05AA909

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.423	0.696	---	---	---	0.104	---	---	---	1982
MEAN	---	---	---	---	0.423	0.696	---	---	---	0.104	---	---	---	MEAN

LOCATION - LAT 49 45 40 N
LONG 114 14 00 W   NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.168	0.098	0.058	1.51	0.431	---	---	---	---	---	---	1923
1924	---	---	0.069	0.686	0.114	0.219	---	---	---	---	---	---	---	1924
1925	---	---	0.903	0.728	0.084	0.211	---	---	---	---	---	---	---	1925
1930	---	---	---	0.991	0.298	0.449	0.077	0.004	0.008	0.035	---	---	---	1930
1931	---	---	---	0.453	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	0.455	---	0.073	0.084	---	---	0.041	0.046	---	---	---	1936
MEAN	---	---	0.399	0.591	0.125	0.495	0.254	0.004	0.025	0.041	---	---	---	MEAN

LOCATION - LAT 50 35 00 N   DRAINAGE AREA, 267 km²
LONG 113 52 00 W   NATURAL FLOW

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	12.9 ON JUN 23 *	0B ON MAR 3 *	---	1923
1924	---	5.61B ON APR 7	---	---	1924
1925	---	5.38 ON MAR 28	---	---	1925
1930	---	---	0 ON AUG 14	---	1930
1931	---	4.53B ON APR 6	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
MEAN				---	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.243	0.735	0.586	0.294	0.160	0.176	---	---	---	---	1978
1979	---	---	---	---	1.39	0.443	0.123	0.041	0.029	0.047	---	---	0.346	1979
1980	---	---	---	---	1.10	0.754	0.137	0.120	0.117	0.106	---	---	0.388	1980
1981	---	---	---	---	2.41	0.956	0.267	0.071	0.026	0.052	0.048	0.021	0.632	1981
1982	---	---	---	---	0.388	0.458	0.124	0.026	0.030	0.067	---	---	0.182	1982
MEAN	---	---	---	0.243	1.20	0.639	0.189	0.084	0.076	0.068	0.048	0.021	0.387	MEAN

LOCATION - LAT 49 04 00 N   DRAINAGE AREA, 38.6 km²
LONG 113 32 00 W   NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	3.54 ON MAY 31	---	---	1978
1979	2.50 AT 00:00 MST ON MAY 18	1.91 ON MAY 17	0.027 ON SEP 10	5 510	1979
1980	13.1 AT 13:30 MST ON MAY 26	11.5 ON MAY 26 *	0.051 ON AUG 2	6 160	1980
1981	13.8 AT 16:20 MST ON MAY 15 *	6.44 ON MAY 22	0.018 ON SEP 20 *	10 000	1981
1982	---	0.836 ON JUN 7	0.020 ON AUG 17	2 890	1982
MEAN				6 140	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	2.73	1.12	---	---	0.488	---	---	---	1979
1980	---	---	---	---	2.49	4.41	1.14	1.40	1.24	1.10	---	---	1.95	1980
1981	---	---	---	---	6.69	4.51	3.04	1.92	1.01	0.649	---	---	2.97	1981
1982	---	---	---	---	1.15	3.12	1.41	0.595	0.565	0.585	---	---	1.23	1982
MEAN	---	---	---	---	3.44	3.69	1.68	1.31	0.938	0.706	---	---	2.05	MEAN

LOCATION - LAT 50 28 36 N DRAINAGE AREA, 137 km²
LONG 114 25 28 W NATURAL FLOW

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	12.4 AT 23:00 MST ON MAY 26	8.99 ON MAY 26	---	---	1979
1980	10.9 AT 22:00 MST ON JUN 9	8.91 ON JUN 10	0.680 ON AUG 4	31 000	1980
1981	33.8 E ON MAY 26 *	22.4 A ON MAY 26 *	0.592 ON OCT 23	47 200	1981
1982	4.83 AT 22:33 MST ON JUN 14	3.98 ON JUN 11	0.477 ON SEP 3 *	19 600	1982
MEAN				32 600	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TROUT CREEK NEAR GRANUM - STATION NO. 05AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.41	0.850	0.776	---	---	---	1908
1911	---	---	---	0.353	0.728	1.02	0.550	2.05	3.13	1.52	---	---	---	1911
1912	---	---	---	1.21	1.73	1.87	1.96	1.26	0.722	0.605	---	---	---	1912
1913	---	---	---	---	2.75	2.33	2.33	0.999	0.514	0.490	---	---	---	1913
1914	---	---	---	0.956	0.545	0.480	0.455	0.289	0.165	0.303	---	---	---	1914
1915	---	---	---	0.729	5.84	8.83	7.08	2.77	1.27	0.902	---	---	---	1915
1916	---	---	---	---	2.61	9.48	3.11	1.42	1.63	1.22	---	---	---	1916
1917	---	---	---	0.647	8.74	11.3	2.99	1.12	0.747	0.483	---	---	---	1917
1918	---	---	---	0.545	0.393	0.484	0.301	0.177	0.189	0.352	---	---	---	1918
1919	---	---	0.089	0.387	0.487	0.264	0.095	0.081	0.077	0.092	---	---	0.196	1919
1922	---	---	0.116	1.22	2.00	1.17	0.721	0.234	0.121	0.132	---	---	0.712	1922
1923	---	---	0.211	0.415	0.908	14.8	5.06	1.74	0.867	0.535	---	---	3.04	1923
1977	---	---	---	---	---	0.058	0.010	0.026	0.040	0.049	---	---	---	1977
1978	---	---	1.06	0.473	1.87	3.47	1.09	0.537	0.432	0.295	---	---	1.15	1978
1979	---	---	0.525	0.879	2.71	1.49	0.501	0.251	0.136	0.124	---	---	0.827	1979
1980	---	---	0.288	0.469	0.236	0.507	0.117	0.087	0.065	0.098	---	---	0.232	1980
1981	---	---	0.128	0.103	2.65	3.09	1.33	0.870	0.297	0.249	---	---	1.09	1981
1982	---	---	0.211	0.532	0.186	0.618	0.485	0.127	0.081	0.100	---	---	0.291	1982
MEAN	---	---	0.329	0.637	2.15	3.60	1.66	0.858	0.630	0.463	---	---	0.942	MEAN

LOCATION - LAT 49 58 35 N DRAINAGE AREA, 440 km²
LONG 113 41 07 W NATURAL FLOW

TROUT CREEK NEAR GRANUM - STATION NO. 05AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1911	---	4.56 ON SEP 11	---	---	1911
1912	---	3.20 ON JUN 16	---	---	1912
1913	---	4.28 ON JUN 11	---	---	1913
1914	---	1.42 ON APR 13	---	---	1914
1915	---	20.0 ON JUN 26	---	---	1915
1916	---	20.9 ON JUN 5	---	---	1916
1917	---	23.3 ON MAY 29	---	---	1917
1918	---	---	---	---	1918
1919	---	1.27 B ON APR 1	0 B ON MAR 1 *	4 140	1919
1922	---	4.62 ON APR 23	0 B ON MAR 1	15 100	1922
1923	---	42.2 ON JUN 1 *	0.116B ON MAR 1	64 200	1923
1977	0.238 AT 05:15 MST ON JUN 16	---	0 ON JUL 18	---	1977
1978	7.56 AT 12:25 MST ON JUN 2	7.33 ON JUN 2	0 B ON MAR 1	24 300	1978
1979	4.26 AT 00:35 MST ON MAY 19	3.87 ON MAY 19	0.040B ON MAR 1	17 500	1979
1980	1.09 AT 14:35 MST ON APR 15	0.915 ON APR 15	0.019 ON SEP 11	4 910	1980
1981	10.4 AT 21:50 MST ON MAY 24 *	7.85 ON MAY 24	0.040B ON MAR 5	23 100	1981
1982	2.21 AT 00:30 MST ON JUN 6	1.82 ON JUN 6	0 B ON MAR 1	6 160	1982
MEAN				19 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.73	2.23	1.56	2.46	1.47	---	---	---	1951
1952	---	---	---	---	0.488	0.887	1.03	0.170	0.575	0.979	---	---	0.687	1952
1953	---	---	---	---	---	1.44	1.15	0.716	0.831	2.05	---	---	---	1953
1954	---	---	---	---	1.07	1.42	1.15	0.646	0.730	1.33	---	---	1.06	1954
1955	---	---	---	---	0.586	1.53	2.03	0.910	0.948	1.18	---	---	1.20	1955
1956	---	---	---	---	0.246	1.27	1.25	1.24	0.084	1.26	---	---	0.894	1956
1957	---	---	---	---	0.733	1.67	0.410	0.788	1.11	0.939	---	---	0.938	1957
1958	---	---	---	---	0.683	0.983	0.981	0.117	1.41	0.865	---	---	0.836	1958
1959	---	---	---	---	1.01	1.04	0.453	0.608	0.749	1.54	---	---	0.900	1959
1960	---	---	---	---	0.387	1.63	0.604	0.449	0.111	0.146	---	---	0.551	1960
1961	---	---	---	---	1.06	0.385	0.011	0.057	0.970	0.207	---	---	0.445	1961
1962	---	---	---	---	0.554	0.095	0.101	0.335	1.52	1.80	---	---	0.734	1962
1963	---	---	---	---	1.02	0.692	1.81	0.845	1.76	1.38	---	---	1.25	1963
1964	---	---	---	---	0.691	0.700	0.105	0.181	0.576	1.05	---	---	0.550	1964
1965	---	---	---	---	0.596	1.47	0.131	0.307	1.16	1.68	---	---	0.885	1965
1966	---	---	---	---	0.482	1.17	1.15	0.065	0.168	0.902	---	---	0.656	1966
1967	---	---	---	---	0.676	1.24	0.496	0.146	0.042	0.488	---	---	0.513	1967
1968	---	---	---	---	0.543	0.989	0.344	0.276	0.524	0.823	---	---	0.582	1968
1969	---	---	---	---	0.044	0.357	0.227	0.036	0.032	0.213	---	---	0.151	1969
1970	---	---	---	---	0.721	0.843	0.372	0.278	0.288	1.78	---	---	0.715	1970
1971	---	---	---	---	0.644	0.684	0.692	0.052	0.069	1.27	---	---	0.570	1971
1972	---	---	---	---	0.130	0.368	0.071	0.018	0.002	0.503	---	---	0.182	1972
1973	---	---	---	---	0.700	0.645	0.096	0.294	0.035	0.911	---	---	0.448	1973
1974	---	---	---	---	0.312	0.661	0.567	0.079	0.364	0.845	0.089	---	0.471	1974
1975	---	---	---	---	0.258	0.758	0.536	0.622	0.447	0.459	---	---	0.512	1975
1976	---	---	---	---	0.454	1.17	0.990	0.745	2.72	0.127	---	---	1.02	1976
1977	---	---	---	---	0.083	0.075	0.035	0.046	0.077	0.858	0.229	---	0.197	1977
1978	---	---	---	---	0.309	0.225	0.255	0.449	0.361	0.416	---	---	0.336	1978
1979	---	---	---	---	0.289	0.217	0.849	0.500	0.370	0.028	---	---	0.376	1979
1980	---	---	---	---	0.473	0.981	0.253	0.166	0.187	0.055	---	---	0.350	1980
1981	---	---	---	---	0.587	0.098	1.01	0.299	0.025	0.481	---	---	0.421	1981
1982	---	---	---	---	0.039	0.004	0.016	0.107	0.065	0.035	---	---	0.045	1982
MEAN	---	---	---	---	0.529	0.888	0.669	0.410	0.649	0.877	0.159	---	0.616	MEAN

LOCATION - LAT 50 50 26 N
LONG 113 34 26 W REGULATED

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	3.34 ON SEP 1	---	---	1951
1952	---	2.58 ON OCT 7	0.023 ON MAY 13	10 900	1952
1953	---	6.12 ON OCT 10 *	---	---	1953
1954	---	2.41 ON OCT 7	0 E ON MAY 25 *	16 800	1954
1955	---	5.92 ON JUL 4	0.020 ON JUN 8	19 000	1955
1956	---	4.33 ON AUG 26	0.031 ON MAY 21	14 200	1956
1957	---	2.97 ON JUN 10	0.042 ON MAY 28	14 900	1957
1958	---	3.82 ON JUL 2	0.003 ON MAY 4	13 300	1958
1959	---	3.00 ON MAY 5	0.020 ON JUL 20	14 300	1959
1960	---	2.92 ON JUN 23	0 ON OCT 16	8 760	1960
1961	---	3.06 ON MAY 22	0.006 ON JUL 10	7 090	1961
1962	---	2.76 ON OCT 19	0.008 ON MAY 17	11 700	1962
1963	---	4.70 ON JUL 9	0.040 ON MAY 28	19 900	1963
1964	---	2.92 ON OCT 12	0.008 ON JUL 16	8 740	1964
1965	---	2.97 ON JUN 18	0 ON JUL 26	14 100	1965
1966	---	3.68 ON OCT 14	0.034 ON MAY 19	10 400	1966
1967	---	2.15 ON JUN 13	0.014 ON OCT 15	8 160	1967
1968	---	2.36 ON OCT 9	0.014E ON MAY 1	9 250	1968
1969	---	1.74 ON JUL 7	0.008 ON MAY 11	2 400	1969
1970	---	3.88 ON OCT 8	0.008 ON MAY 1	11 400	1970
1971	---	2.72 ON OCT 14	0.023 ON SEP 27	9 050	1971
1972	---	2.01 ON OCT 8	0 ON AUG 31	2 900	1972
1973	---	2.79 ON OCT 7	0.025 ON SEP 27	7 120	1973
1974	---	2.10 ON JUN 27	0.028 ON SEP 16	7 480	1974
1975	---	2.52 ON MAY 16	0.019B ON OCT 29	8 150	1975
1976	---	3.48 ON SEP 11	0.054 ON MAY 17	16 300	1976
1977	---	1.61 ON OCT 7	0.018 ON AUG 1	3 130	1977
1978	---	1.95 ON OCT 6	0.034 ON OCT 30	5 350	1978
1979	---	1.36 A ON JUL 17	0.004 ON OCT 13	5 980	1979
1980	---	3.92 ON JUN 28	0 ON MAY 3	5 570	1980
1981	---	2.52 ON JUL 18	0.006 ON JUN 26	6 690	1981
1982	0.590 AT 17:27 MST ON MAY 18 *	0.328 ON MAY 19	0 ON MAY 22	708	1982
				9 790	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.32	1.14	1.08	---	---	---	---	---	1951
1952	---	---	---	---	---	2.03	1.54	1.08	0.981	1.85	---	---	---	1952
1953	---	---	---	---	0.970	4.29	1.35	1.92	1.39	2.15	---	---	2.00	1953
1954	---	---	---	---	0.378	1.95	1.13	2.37	2.27	1.97	---	---	1.67	1954
1955	---	---	---	---	0.163	0.467	1.42	2.09	1.19	1.39	---	---	1.12	1955
1956	---	---	---	---	0.261	1.42	1.40	1.47	1.05	1.77	---	---	1.23	1956
1957	---	---	---	---	0.285	1.09	0.500	2.03	1.16	1.66	---	---	1.12	1957
1958	---	---	---	---	0.240	1.00	1.72	1.65	1.44	1.94	---	---	1.33	1958
1959	---	---	---	---	0.344	0.818	1.16	1.91	1.26	1.81	---	---	1.22	1959
1960	---	---	---	---	0.045	0.701	0.506	1.82	1.34	1.76	---	---	1.03	1960
1961	---	---	---	---	1.28	0.430	0.578	1.92	1.25	1.82	---	---	1.22	1961
1962	---	---	---	---	0.808	1.42	1.60	2.40	2.14	2.10	---	---	1.75	1962
1963	---	---	---	---	0.418	1.25	1.27	2.77	2.17	2.49	---	---	1.73	1963
1964	---	---	---	---	0.409	1.22	1.23	1.68	1.21	2.28	---	---	1.34	1964
1965	---	---	---	---	0.421	2.15	1.29	2.24	2.01	1.86	0.546	---	1.66	1965
1966	---	---	---	---	0.327	2.21	1.97	2.87	1.76	2.85	---	---	2.00	1966
1967	---	---	---	---	1.60	1.42	1.03	2.65	1.73	2.53	1.34	---	1.83	1967
1968	---	---	---	---	2.06	1.75	1.81	2.93	1.62	2.70	---	---	2.15	1968
1969	---	---	---	---	0.247	1.61	2.75	2.74	1.86	2.44	---	---	1.95	1969
1970	---	---	---	---	0.788	2.77	1.74	2.96	2.34	1.94	---	---	2.09	1970
1971	---	---	---	---	0.704	1.91	2.43	3.00	2.19	2.17	---	---	2.07	1971
1972	---	---	---	---	0.998	2.40	3.23	3.66	2.51	2.30	---	---	2.52	1972
1973	---	---	---	---	0.422	2.47	1.53	3.17	2.18	1.46	---	---	1.87	1973
1974	---	---	---	---	0.565	1.30	2.06	2.89	1.85	1.67	---	---	1.73	1974
1975	---	---	---	---	1.47	0.966	1.44	2.99	1.75	1.54	---	---	1.70	1975
1976	---	---	---	---	0.742	2.86	3.27	2.99	1.79	1.69	---	---	2.22	1976
1977	---	---	---	---	1.61	1.80	2.17	2.54	1.41	1.58	---	---	1.86	1977
1978	---	---	---	---	0.137	1.33	3.03	3.34	0.943	1.20	---	---	1.67	1978
1979	---	---	---	---	0.193	2.14	2.99	3.35	1.86	1.33	---	---	1.98	1979
1980	---	---	---	---	1.58	2.34	3.68	2.85	2.02	2.21	---	---	2.45	1980
1981	---	---	---	---	0.826	3.63	4.75	4.08	2.56	3.04	---	---	3.15	1981
1982	---	---	---	---	1.05	4.14	5.34	5.99	2.90	2.55	---	---	3.66	1982
MEAN	---	---	---	---	0.711	1.86	1.97	2.61	1.75	2.00	0.943	---	1.84	MEAN

LOCATION - LAT 50 09 00 N LONG 111 40 00 W   DRAINAGE AREA, 2 790 km² REGULATED

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	4.45 ON JUN 27	---	---	1952
1953	---	6.37 ON JUN 14	0.125 ON MAY 27	31 800	1953
1954	---	3.71 ON AUG 27	0.031 ON MAY 19	26 600	1954
1955	---	2.35 ON AUG 13	0.006 ON MAY 8	17 900	1955
1956	---	2.27A ON JUN 21	0.023A ON JUN 2	19 500	1956
1957	---	2.61 ON AUG 17	0.142E ON MAY 2	17 800	1957
1958	---	2.63 ON JUL 23	0.014E ON MAY 1	21 200	1958
1959	---	2.44 ON AUG 24	0.059 ON MAY 4	19 400	1959
1960	---	2.55 ON AUG 24	0.003 ON MAY 21	16 400	1960
1961	---	2.49 ON MAY 21	0.006 ON MAY 2	19 400	1961
1962	---	2.97 ON SEP 9	0 ON MAY 4 *	27 800	1962
1963	---	3.45 ON SEP 2	0.003 ON MAY 13	27 500	1963
1964	---	2.71 ON OCT 13	0.020 ON MAY 22	21 300	1964
1965	---	3.11 ON SEP 3	0.025 ON MAY 17	26 300	1965
1966	---	3.68 ON OCT 23	0.014 ON MAY 13	31 700	1966
1967	---	3.40 ON AUG 17	0.190 ON JUN 2	29 100	1967
1968	---	3.17 ON OCT 16	0.007E ON MAY 1	34 200	1968
1969	---	3.26 ON JUL 30	0.031 ON MAY 13	30 900	1969
1970	---	4.70 ON JUN 19	0.028 ON MAY 9	33 100	1970
1971	---	3.54 ON AUG 29	0.034 ON MAY 14	32 900	1971
1972	---	4.33 ON JUL 30	0.071 ON MAY 2	40 000	1972
1973	---	8.47 ON JUN 18 *	0.018 ON MAY 12	29 700	1973
1974	---	3.68 ON AUG 19	0.119 ON MAY 7	27 400	1974
1975	---	4.22 ON AUG 7	0.096 ON MAY 18	27 000	1975
1976	---	4.39 ON AUG 5	0.007 ON MAY 3	35 300	1976
1977	---	3.20 ON AUG 9	0 E ON MAY 1	29 500	1977
1978	---	4.56 ON AUG 4	0 ON MAY 21	26 500	1978
1979	---	4.21 ON AUG 7	0.008 ON MAY 5	31 500	1979
1980	---	5.13 ON JUL 24	0 ON MAY 8	39 000	1980
1981	---	6.05 ON JUL 22	0 ON MAY 1	50 000	1981
1982	---	7.73 ON AUG 7	0.010 ON MAY 3	58 200	1982
MEAN				29 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.042	0.218	0.139	0.043	0.026	0.017	0.011	0.008	---	1963
1964	0.006	0.006	0.005	0.007	0.028	0.340	0.118	0.025	0.031	0.030	0.015	0.010	0.051	1964
1965	0.008	0.007	0.006	0.006	0.022	0.263	0.168	0.069	0.039	0.055	0.027	0.014	0.057	1965
1966	0.010	0.008	0.006	0.006	0.091	0.219	0.113	0.033	0.020	0.017	0.010	0.008	0.045	1966
1967	0.006	0.005	0.005	0.004	0.036	0.293	0.124	0.029	0.015	0.011	0.008	0.006	0.045	1967
1968	0.005	0.004	0.003	0.003	0.033	0.206	0.107	0.043	0.043	0.036	0.012	0.010	0.042	1968
1969	0.008	0.007	0.005	0.010	0.094	0.255	0.146	0.030	0.018	0.013	0.009	0.006	0.050	1969
1970	0.004	0.004	0.003	0.002	0.028	0.234	0.062	0.021	0.014	0.010	0.008	0.006	0.033	1970
1971	0.004	0.004	0.002	0.004	0.067	0.328	0.090	0.027	0.014	0.011	0.009	0.006	0.047	1971
1972	0.005	0.005	0.004	0.005	0.043	0.334	0.138	0.046	0.027	0.020	0.012	0.007	0.054	1972
1973	0.004	0.003	0.001	0.001	0.056	0.229	0.108	0.031	0.030	0.017	0.011	0.009	0.042	1973
1974	0.004	0.001	0.001	0.002	0.013	0.310	0.130	0.048	0.034	0.023	0.014	0.009	0.049	1974
1975	0.006	0.004	---	---	---	0.163	0.112	0.049	0.027	0.015	0.009	0.004	---	1975
1976	---	---	---	---	0.097	0.185	0.116	0.080	0.060	0.029	0.017	0.012	---	1976
1977	0.006	0.005	0.005	0.007	0.047	0.112	0.036	0.057	0.042	0.024	0.014	0.009	0.030	1977
1978	0.007	0.005	0.004	0.005	0.031	0.248	0.112	0.037	0.028	0.025	0.013	0.009	0.044	1978
1979	0.005	0.004	0.002	0.002	0.036	0.167	0.055	0.023	0.016	0.010	0.007	0.007	0.028	1979
1980	0.005	0.004	0.004	0.011	0.133	0.186	0.044	0.038	0.052	0.040	0.016	0.010	0.045	1980
1981	0.008	0.005	0.006	0.008	0.136	0.215	0.145	0.061	0.021	0.013	0.008	0.006	0.053	1981
1982	0.004	0.003	0.002	0.002	0.023	0.234	0.088	0.028	0.021	0.019	0.011	0.007	0.037	1982
MEAN	0.006	0.005	0.004	0.005	0.056	0.237	0.108	0.041	0.029	0.022	0.012	0.008	0.044	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.64 km²
LONG 115 10 19 W NATURAL FLOW

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.714 AT 02:00 MST ON JUN 30	0.606 ON JUN 30	---	---	1963
1964	0.748 AT 10:00 MST ON JUN 8	0.694 ON JUN 8	0.004 ON MAR 7	1 620	1964
1965	0.705 AT 04:00 MST ON JUN 18	0.651 ON JUN 18	0.005 ON APR 16	1 810	1965
1966	0.402 AT 05:00 MST ON JUN 1	0.382 ON JUN 1	0.005 ON MAR 17	1 430	1966
1967	0.411 AT 12:30 MST ON JUN 18	0.402 ON JUN 18	0.004 ON MAR 10	1 420	1967
1968	0.345 AT 02:10 MST ON JUN 3	0.306 ON JUN 3	0.003 ON MAR 16	1 330	1968
1969	0.487 AT 16:40 MST ON JUN 4	0.402 ON JUN 4	0.005 ON MAR 10	1 590	1969
1970	0.538 AT 16:30 MST ON JUN 16	0.479 ON JUN 16	0.002 ON MAR 21	1 040	1970
1971	0.912 AT 14:00 MST ON JUN 5 *	0.818 ON JUN 5 *	0.002 ON MAR 13	1 480	1971
1972	0.620 AT 23:00 MST ON JUN 10	0.583 ON JUN 10	0.004E ON FEB 29	1 700	1972
1973	0.439 AT 23:30 MST ON JUN 23	0.408 ON JUN 24	0.001 ON MAR 11	1 320	1973
1974	0.725 AT 23:10 MST ON JUN 16	0.680 ON JUN 17	0 ON MAR 27 *	1 550	1974
1975	0.297 AT 20:00 MST ON JUN 24	0.261 ON JUN 25	---	---	1975
1976	0.272 AT 03:30 MST ON JUN 20	0.263 ON JUN 20	---	---	1976
1977	0.275 AT 20:30 MST ON JUN 1	0.241 ON JUN 8	0.005 ON JAN 24	958	1977
1978	0.447 AT 23:45 MST ON JUN 5	0.396 ON JUN 9	0.004 ON MAR 2	1 380	1978
1979	0.288 AT 19:00 MST ON JUN 12	0.256 ON JUN 12	0.002 ON FEB 28	881	1979
1980	0.319 AT 01:30 MST ON JUN 12	0.305 ON JUN 12	0.003 ON APR 6	1 430	1980
1981	0.474 AT 00:00 MST ON MAY 27	0.417 ON MAY 27	0.004 ON DEC 29	1 670	1981
1982	0.482 AT 20:33 MST ON JUN 15	0.453 ON JUN 16	0.002 ON JAN 6	1 160	1982
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 400	MEAN

TYRRELL LAKE NEAR NEW DAYTON - STATION NO. 05AF031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0	0.022	0.233	0.047	0.014	0.016	0.010	0.017	0.004	---	---	0.045	1982
MEAN	---	0	0.022	0.233	0.047	0.014	0.016	0.010	0.017	0.004	---	---	0.045	MEAN

LOCATION - LAT 49 25 57 N
LONG 112 10 40 W REGULATED

TYRRELL LAKE NEAR NEW DAYTON - STATION NO. 05AF031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	0.951 AT 19:20 MST ON APR 16 *	0.837 ON APR 17 *	0B ON MAR 1 *	950	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		950	MEAN

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.919	0.812	1.06	---	---	---	1923
1924	---	---	---	0	1.27	0.896	2.94	1.00	1.31	1.23	0.058	---	1.18	1924
1925	---	---	---	0	0.876	1.74	6.10	2.32	0.828	0.066	0	---	1.51	1925
1926	---	---	---	0.768	1.58	2.36	3.58	2.11	0.529	0.611	0	---	1.45	1926
1927	---	---	---	0	0.067	0.378	1.36	1.39	1.37	0.675	0	---	0.658	1927
1928	---	---	---	0	0.850	0.851	0.676	1.44	1.06	0.673	0	---	0.697	1928
1929	---	---	---	0	0.214	0.606	1.90	2.58	0.608	0.982	0.078	---	0.879	1929
1930	---	---	---	0	0.263	1.50	3.55	2.45	1.58	1.18	0.689	---	1.41	1930
1946	---	---	---	0.492	1.66	2.01	3.01	3.89	1.49	1.09	0	---	1.72	1946
1947	---	---	---	0	1.63	2.25	3.91	3.35	1.35	0.940	0.247	---	1.72	1947
1948	---	---	---	0	0.038	0.468	1.58	1.82	1.67	1.62	0.109	---	0.918	1948
1949	---	---	---	0.004	1.13	2.56	4.43	3.27	1.55	0.703	0	---	1.72	1949
1950	---	---	---	0	0.481	2.24	2.28	2.26	1.70	0.638	0	---	1.20	1950
1951	---	---	---	0	0.033	0.247	0.743	2.14	0.433	0.853	0	---	0.563	1951
1952	---	---	---	0	1.09	1.92	1.85	1.30	1.33	1.65	0	---	1.15	1952
1953	---	---	---	0.004	0.509	0.058	1.45	3.08	1.56	1.07	0.507	---	1.04	1953
1954	---	---	---	0	0.205	2.02	2.93	2.64	1.47	1.45	0	---	1.35	1954
1955	---	---	---	0	0.066	2.01	0.652	2.67	1.75	1.27	0	---	1.05	1955
1956	---	---	---	0	0.593	2.63	1.39	2.13	1.57	1.25	0	---	1.20	1956
1957	---	---	---	0	0.899	1.98	3.79	2.83	2.13	0.912	0	---	1.58	1957
1958	---	---	---	0.075	0.988	1.95	1.34	2.03	1.55	2.13	0.318	0.057	1.30	1958
1959	0.028	0.059	0.085	0.147	0.492	2.21	2.89	3.29	1.53	1.14	0	---	1.47	1959
1960	---	---	---	0.040	0.339	3.28	3.57	1.88	1.88	1.14	0.289	---	1.56	1960
1961	---	---	0.107	0.350	0.704	4.64	3.59	2.85	2.07	1.33	0.188	---	1.97	1961
1962	---	---	0.057	0.064	1.36	3.32	3.54	3.30	1.69	0.788	0.353	---	1.81	1962
1963	---	---	0.011	0.069	3.05	3.36	2.20	3.53	1.83	1.84	0.307	---	2.03	1963
1964	---	---	---	0	0.141	1.33	3.36	4.00	0.776	1.17	0.713	---	1.45	1964
1965	---	---	---	0	0.464	1.45	1.16	2.46	0.761	0.931	0.184	---	0.932	1965
1966	---	---	0	0.008	0.846	0.883	2.02	2.40	1.04	0.878	0	---	1.02	1966
1967	---	---	0	0	0	0.098	2.48	3.11	2.20	1.32	0.035	---	1.16	1967
1968	---	---	---	0	0.129	1.74	2.35	1.37	0.315	0.497	0.085	---	0.816	1968
1969	---	---	---	0	0.392	1.17	0.851	2.62	1.46	1.11	0.025	---	0.958	1969
1970	---	---	---	0	0.424	2.08	2.04	2.73	0.949	0.781	0	---	1.13	1970
1971	---	---	---	0	0.402	2.18	2.39	3.27	1.47	0.026	0	---	1.22	1971
1972	---	---	---	0	0.469	2.36	0.492	2.11	1.36	1.02	0	---	0.977	1972
1973	---	---	---	0.005	2.09	3.63	4.35	2.96	1.72	0.911	0	---	1.97	1973
1974	---	---	---	0	0	2.03	3.46	2.36	0.808	1.52	0.020	---	1.28	1974
1975	---	---	---	0	0	0.639	1.49	1.84	1.68	1.23	0	---	0.864	1975
1976	---	---	---	0	0.398	2.06	1.46	0.731	1.43	0.951	0.008	---	0.880	1976
1977	---	---	---	0.130	3.27	4.44	3.70	1.57	0.536	0.830	0	---	1.82	1977
1978	---	---	---	0	0.714	1.13	0.524	0.939	0.753	0.900	0	---	0.622	1978
1979	---	---	---	0	0.356	2.32	3.01	1.80	0.987	1.28	0	---	1.22	1979
1980	---	---	---	0	1.62	0.260	2.61	1.82	1.04	0.875	0	---	1.04	1980
1981	---	---	---	0	0.145	0.328	1.32	1.99	1.56	0.360	0	---	0.717	1981
1982	---	---	---	0	0.328	1.55	2.10	2.81	1.62	0.522	0	---	1.12	1982
MEAN	0.028	0.059	0.043	0.049	0.740	1.80	2.42	2.34	1.31	1.01	0.096	0.057	1.23	MEAN

LOCATION - LAT 49 13 04 N
LONG 113 37 56 W REGULATED

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1923	---	---	---	---	1923
1924	---	4.03 ON JUL 19	0 ON APR 1 *	23 200	1924
1925	---	8.24 ON JUL 13 *	0 ON APR 1	31 700	1925
1926	---	7.67 ON JUN 9	0 ON APR 1	30 600	1926
1927	---	1.87E ON OCT 20	0 ON APR 1	13 900	1927
1928	---	2.58 ON AUG 25	0 ON APR 1	14 700	1928
1929	---	5.32 ON AUG 3	0 ON APR 1	18 500	1929
1930	---	6.48E ON JUL 9	0 ON APR 1	29 700	1930
1946	---	5.83E ON AUG 4	0 ON APR 1	36 200	1946
1947	---	5.92 ON JUL 18	0 ON APR 1	36 300	1947
1948	---	3.88 ON JUL 7	0 ON APR 1	19 400	1948
1949	---	6.17 ON JUL 16	0 ON APR 1	36 200	1949
1950	---	5.27 ON JUN 18	0 ON APR 1	25 400	1950
1951	---	3.79 ON AUG 8	0 ON APR 1	11 900	1951
1952	---	5.01 ON JUN 11	0 ON APR 1	24 200	1952
1953	---	3.57 ON AUG 2[illegible]	0 ON APR 1	21 900	1953
1954	---	3.94 ON AUG 6	0 ON APR 1	28 400	1954
1955	---	4.67 ON JUN 24	0 ON APR 1	22 200	1955
1956	---	5.01 ON JUN 14	0 ON APR 1	25 300	1956
1957	---	4.53 ON JUL 16	0 ON APR 1	33 300	1957
1958	---	3.77 ON AUG 24	0 ON MAY 6	27 500	1958
1959	---	4.98 ON AUG 6	0 ON MAY 1	31 000	1959
1960	---	5.21 ON JUN 17	0.003B ON APR 1	32 800	1960
1961	---	6.26 ON JUN 19	0.028B ON NOV 13	41 400	1961
1962	---	5.15 ON JUN 12	0 ON OCT 7	38 100	1962
1963	---	5.21 ON JUN 4	0 ON NOV 18	42 800	1963
1964	---	4.79 ON JUL 31	0 ON APR 1	30 500	1964
1965	---	3.65 ON AUG 3	0 ON APR 1	19 600	1965
1966	---	3.71 ON AUG 5	0 ON APR 1	21 500	1966
1967	---	3.99 ON SEP 12	0 ON APR 1	24 600	1967
1968	---	3.03 ON AUG 14	0 ON APR 1	17 200	1968
1969	---	3.14 ON AUG 6	0 ON APR 1	20 200	1969
1970	---	3.96 ON JUN 12	0 ON APR 1	23 900	1970
1971	---	3.79 ON JUL 28	0 ON APR 1	25 700	1971
1972	---	3.48 ON JUN 11	0 ON APR 1	20 600	1972
1973	---	5.64 ON JUN 9	0 ON APR 1	41 500	1973
1974	---	5.89 ON JUL 29	0 ON APR 1	27 000	1974
1975	---	5.35 ON JUL 30	0 E ON APR 1	18 200	1975
1976	---	4.70 ON JUN 10	0 ON APR 1	18 500	1976
1977	---	5.78 ON MAY 12	0 ON APR 1	38 300	1977
1978	---	4.11 ON MAY 12	0 ON APR 1	13 100	1978
1979	---	3.66 ON JUN 17	0 ON APR 1	25 800	1979
1980	---	3.80 ON JUL 29	0 E ON APR 1	21 900	1980
1981	---	3.08 ON AUG 11	0 ON APR 1	15 100	1981
1982	---	3.34 ON AUG 17	0 ON APR 1	23 600	1982
				26 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	12.7	16.9	9.62	1.12	0	0	---	5.79	1918
1919	---	---	---	3.56	14.6	14.1	14.0	14.2	5.01	1.52	0	---	9.61	1919
1920	---	---	---	0	2.24	13.9	15.9	11.9	0	0	0	---	6.31	1920
1921	---	---	---	0	4.06	11.8	11.1	3.98	0	0	0	---	4.42	1921
1922	---	---	---	0	1.56	8.04	11.2	10.6	6.41	0	0	---	5.41	1922
1923	---	---	---	0	6.71	13.3	11.5	10.5	1.96	0	0	---	6.30	1923
1924	---	---	---	0	8.55	10.3	13.6	16.0	3.14	0	0	---	7.41	1924
1925	---	---	---	0.256	11.4	16.3	17.3	15.8	12.1	4.43	0	---	11.1	1925
1926	---	---	---	3.85	13.9	14.9	14.7	3.20	3.14	0	0	---	7.68	1926
1927	---	---	---	0	---	---	13.6	14.1	0	0	0	---	---	1927
1928	---	---	---	0	0	14.4	10.1	13.0	1.21	0	0	---	5.53	1928
1929	---	---	---	0.721	1.89	11.1	15.1	14.8	8.69	2.92	0.210	---	7.90	1929
1930	---	---	---	0	0	10.8	18.1	16.5	5.08	0	0	---	7.30	1930
1931	---	---	---	2.07	11.7	17.4	18.3	17.8	2.78	1.99	0.536	---	10.3	1931
1932	---	---	---	7.95	16.7	15.0	19.7	19.8	5.50	0.846	0	---	12.3	1932
1933	---	---	---	0.599	13.6	16.1	20.0	19.9	8.63	2.42	0	---	11.6	1933
1934	---	---	---	3.56	21.0	19.0	23.2	20.3	0.957	0.278	0	---	12.7	1934
1935	---	---	---	0.037	12.9	18.8	23.7	19.4	8.53	0.523	0	---	12.0	1935
1936	---	---	---	0.350	15.7	22.8	24.5	15.5	2.20	1.39	0.187	---	11.8	1936
1937	---	---	---	0.887	17.2	9.69	21.7	22.5	4.85	0.014	0	---	11.1	1937
1938	---	---	---	3.89	12.1	19.7	21.1	21.7	4.15	2.08	2.38	---	12.2	1938
1939	---	---	---	4.96	18.2	21.6	22.3	14.9	0.358	1.26	5.07	---	12.0	1939
1940	---	---	---	0	13.7	19.3	21.8	11.9	0.592	0.527	7.17	---	9.74	1940
1941	---	---	---	3.12	16.6	17.6	21.2	7.88	2.29	0	0	---	9.83	1941
1942	---	---	---	8.34	20.1	5.33	21.4	18.3	14.8	0.166	0.007	---	12.6	1942
1943	---	---	---	0	0.379	11.5	16.3	16.7	15.7	1.87	0	---	8.91	1943
1944	---	---	---	3.51	15.4	13.8	13.8	10.0	1.70	0.400	0	---	8.41	1944
1945	---	---	---	2.29	18.5	17.7	18.7	18.9	16.5	2.31	0	---	13.6	1945
1946	---	---	---	12.4	17.2	19.0	18.6	17.9	16.3	0.119	0	---	14.5	1946
1947	---	---	---	0	6.38	14.9	18.4	17.8	13.9	0.161	0	---	10.2	1947
1948	---	---	---	0	3.55	8.53	15.7	16.8	14.3	0	0	---	8.43	1948
1949	---	---	---	0.901	16.8	17.5	17.4	16.9	9.79	0	0	---	11.0	1949
1950	---	---	---	0	3.81	11.6	16.4	15.3	16.3	15.2	0.283	---	11.3	1950
MEAN	---	---	---	1.92	10.5	14.6	17.5	15.0	6.31	1.22	0.480	---	9.68	MEAN

LOCATION - LAT 48 51 10 N
LONG 113 24 50 W REGULATED

INTERNATIONAL GAUGING STATION

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	17.7 ON JUN 27	0 ON APR 1 *	107 000	1918
1919	---	15.6 ON MAY 15	0 ON APR 1	178 000	1919
1920	---	18.5 ON AUG 8	0 ON APR 1	117 000	1920
1921	---	14.7 ON JUN 17	0 ON APR 1	81 800	1921
1922	---	18.4 ON AUG 16	0 ON APR 1	100 000	1922
1923	---	19.5 ON JUL 15	0 ON APR 1	116 000	1923
1924	---	20.4 ON AUG 22	0 ON APR 1	137 000	1924
1925	---	18.5A ON AUG 15	0 ON APR 1	206 000	1925
1926	---	16.8 ON MAY 24	0 ON APR 1	142 000	1926
1927	---	16.7 ON AUG 5	0 E ON APR 1	---	1927
1928	---	18.1 ON JUN 16	0 ON APR 1	102 000	1928
1929	---	15.6 ON JUL 10	0 ON APR 1	146 000	1929
1930	---	18.2 ON JUL 6	0 ON APR 1	135 000	1930
1931	---	18.4 ON JUL 3	0 ON APR 1	191 000	1931
1932	---	20.6 ON JUL 28	0 ON APR 1	227 000	1932
1933	---	20.8A ON AUG 10	0 ON APR 1	216 000	1933
1934	---	23.3 ON MAY 30	0 ON APR 1	234 000	1934
1935	---	24.3 ON JUL 26	0 ON APR 1	222 000	1935
1936	---	24.7 ON MAY 26 *	0 ON APR 1	219 000	1936
1937	---	23.3 ON AUG 1	0 ON APR 1	204 000	1937
1938	---	22.4 ON JUL 7	0 ON APR 1	225 000	1938
1939	---	22.7 ON JUL 23	0 ON APR 1	222 000	1939
1940	---	23.2 ON JUL 28	0 ON APR 1	180 000	1940
1941	---	22.3 ON JUN 3	0 ON APR 1	182 000	1941
1942	---	23.1 ON JUL 25	0 ON APR 1	233 000	1942
1943	---	18.6 ON JUL 23	0 ON APR 1	165 000	1943
1944	---	19.7 ON JUL 21	0.238 ON OCT 31	155 000	1944
1945	---	19.5 ON JUL 29	0 ON APR 1	251 000	1945
1946	---	19.3 ON JUN 22	0.085B ON OCT 30	268 000	1946
1947	---	18.7 ON JUL 10	0 ON APR 1	189 000	1947
1948	---	18.0 ON JUL 21	0 ON APR 1	156 000	1948
1949	---	18.6 ON MAY 13	0 ON APR 1	210 090	1949
1950	---	16.7 ON JUN 22	0 ON APR 1	208 000	1950
				179 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.07	0.549	0.324	0.075	---	1975
1976	0.080	0.079	0.085	1.21	0.363	0.247	0.399	0.251	---	---	---	0.029	---	1976
1977	0.071	0.088	0.054	0.518	0.367	0.487	0.745	0.269	0.224	0.426	0.108	0.052	0.285	1977
1978	0.043	0.036	0.055	0.490	1.88	1.60	0.324	0.384	2.65	1.30	0.352	0.184	0.768	1978
1979	0.106	0.090	0.076	0.268	3.70	0.812	0.332	0.317	0.450	0.324	0.180	0.093	0.567	1979
1980	0.074	0.038	0.046	0.620	0.177	0.196	0.139	0.417	0.338	0.218	0.150	0.049	0.205	1980
1981	0.063	0.057	0.084	0.292	0.953	0.212	0.130	0.069	0.148	0.189	---	---	---	1981
1982	---	---	0.011	0.110	1.31	0.377	0.061	0.097	0.072	0.067	---	---	---	1982
MEAN	0.066	0.065	0.059	0.501	1.24	0.562	0.304	0.258	0.707	0.439	0.223	0.080	0.456	MEAN

LOCATION - LAT 57 39 31 N DRAINAGE AREA, 274 km^2
LONG 111 31 11 W NATURAL FLOW

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	3.74 AT 11:50 MST ON APR 16	2.97A ON APR 15	0.025B ON DEC 11	---	1976
1977	3.06 AT 02:07 MST ON JUL 5	2.78 ON JUL 5	0.037B ON MAR 21	8 990	1977
1978	5.38 AT 01:50 MST ON SEP 11	5.15 ON SEP 11	0.031B ON FEB 3	24 200	1978
1979	8.14 AT 03:00 MST ON MAY 17 *	8.05 ON MAY 17 *	0.019 ON APR 22 *	17 900	1979
1980	3.50B AT 13:50 MST ON APR 18	1.58B ON APR 15	0.036B ON FEB 12	6 480	1980
1981	---	2.24E ON MAY 1	---	---	1981
1982	2.24B AT 21:00 MST ON MAY 17	1.95B ON MAY 18	---	---	1982
				14 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UPPER CHAIN LAKE OUTLET NEAR PONOKA - STATION NO. 05CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	0.021	0.036	0.018	0.014	0.021	---	---	---	---	1925
1926	---	---	---	---	0.055	0.042	---	---	---	---	---	---	---	1926
MEAN	---	---	---	---	0.038	0.039	0.018	0.014	0.021	---	---	---	---	MEAN

LOCATION - LAT 52 36 00 N DRAINAGE AREA, 76.9 km^2
LONG 113 28 00 W NATURAL FLOW

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	---	0.043	0.046	0.042	---	1964
1965	0.042	0.032	0.028	21.6	11.2	7.02	4.91	7.26	3.84	1.23	0.772	0.764	4.90	1965
1966	0.287	0.274	0.875	9.49	3.02	1.10	0.400	0.286	0.237	0.181	0.163	0.127	1.36	1966
1967	0.087	0.113	0.175	0.931	7.11	1.65	0.375	0.076	0.026	0.068	0.093	0.104	0.910	1967
1968	0.054	0.085	10.8	5.45	1.72	0.532	0.148	0.135	0.464	0.612	0.309	0.247	1.72	1968
1969	0.271	0.203	0.195	21.7 R	12.1	2.17	1.31	0.593	0.231	0.264	---	---	---	1969
1970	---	---	---	---	4.25	1.56	2.16	1.23	0.473	0.399	---	---	---	1970
MEAN	0.148	0.141	2.41	11.8 R	6.57	2.34	1.55	1.60	0.879	0.400	0.277	0.257	2.22	MEAN

LOCATION - LAT 53 39 20 N DRAINAGE AREA, 7 940 km^2 R - REVISE SINCE JAN 1980
LONG 110 20 20 W REGULATED

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	77.3 ON APR 14 *	0.028B ON FEB 21	154 000	1965
1966	---	20.9 ON APR 6	0.020B ON DEC 27	43 000	1966
1967	---	15.6 ON MAY 22	0.017 ON AUG 15 *	28 700	1967
1968	---	24.9B ON MAR 6	0.045B ON JAN 9	54 400	1968
1969	---	74.5R ON APR 13	0.108 ON OCT 1	---	1969
1970	---	---	---	---	1970
				70 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.332	0.002	0	0	0	0	0	---	---	0.047	1981
1982	---	---	---	0.150	0.353	0	1.88	0.116	0.008	0	---	---	0.363	1982
MEAN	---	---	---	0.241	0.178	0	0.940	0.058	0.004	0	---	---	0.205	MEAN

LOCATION - LAT 53 10 37 N DRAINAGE AREA, 473 km^2 DATA CONTRIBUTED BY -
LONG 112 04 06 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	1.44 AT 23:16 MST ON APR 4	1.37 ON APR 4	0 ON MAY 7 *	866	1981
1982	2.49 AT 15:18 MST ON JUL 9 *	2.48 ON JUL 9 *	0B ON APR 1	6 700	1982
				3 780	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.081	0.006	0	0.022	0.027	0	0	---	---	0.019	1981
1982	---	---	---	0.002	0.123	0.005	0.456	0.008	0.001	0	---	---	0.086	1982
MEAN	---	---	---	0.042	0.065	0.003	0.239	0.018	0.001	0	---	---	0.053	MEAN

LOCATION - LAT 53 08 02 N DRAINAGE AREA, 56.4 km^2 DATA CONTRIBUTED BY -
LONG 112 24 19 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.284 ON AUG 6	0 ON APR 28 *	357	1981
1982	1.24 AT 16:41 MST ON JUL 6 *	1.21 ON JUL 7 *	0B ON APR 1	1 590	1982
				974	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR HASELDINE - STATION NO. 05EE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.215	18.8	22.0	4.73	2.82	1.21	0.414	0.348	---	---	6.30	1971
1972	---	---	0.784	15.3	15.0	2.96	0.888	0.533	0.325	0.328	---	---	4.49	1972
1973	---	---	0.111	14.8	6.45	2.96	3.65	7.43	11.0	4.60	---	---	6.34	1973
1974	---	---	0.324	54.9	65.7	17.8	4.29	1.70	---	---	---	---	---	1974
1975	---	---	0.242	4.12	8.52	3.23	1.23	0.559	0.314	0.296	---	---	2.31	1975
1976	---	---	0.209	3.75	1.20	0.840	0.919	0.377	0.141	0.165	---	---	0.942	1976
1977	---	---	0.167	1.22	2.07	0.879	0.168	0.119	0.109	0.182	---	---	0.612	1977
1978	---	---	0.337	3.72	1.35	0.730	0.114	0.193	0.179	1.04	---	---	0.950	1978
1979	---	---	0.210	12.5	21.8	---	---	---	---	---	---	---	---	1979
MEAN	---	---	0.289	14.3	16.0	4.17	1.76	1.52	1.78	1.01	---	---	3.13	MEAN

LOCATION - LAT 53 37 37 N DRAINAGE AREA, 7 830 km²
LONG 110 25 20 W REGULATED

VERMILION RIVER NEAR HASELDINE - STATION NO. 05EE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	61.2 AT 21:00 MST ON APR 15	53.5 ON APR 16	0.198B ON MAR 1	133 000	1971
1972	---	41.3 ON APR 15	0.127B ON MAR 1	95 100	1972
1973	54.9 AT 15:00 MST ON APR 12	52.4 ON APR 12	0.082B ON MAR 1	134 000	1973
1974	157 AT 16:00 MST ON APR 20 *	154 ON APR 20 *	---	---	1974
1975	---	18.7 B ON APR 23	0.227B ON MAR 9	48 900	1975
1976	11.0 AT 09:30 MST ON APR 9	10.4 ON APR 9	0.116 ON SEP 18	19 900	1976
1977	4.45 AT 14:00 MST ON MAY 17	4.25 ON MAY 17	0.093 ON SEP 3	13 000	1977
1978	11.4 AT 21:00 MST ON APR 22	11.2 ON APR 22	0.028B ON MAR 1 *	20 100	1978
1979	36.4 AT 11:55 MST ON MAY 2	35.9 ON MAY 2	---	---	1979
				66 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	0.001	0.058	0.107	0.061	---	1958
1959	0.069	0.054	0.100	0.461	0.489	0.197	0.132	0.119	0.121	0.250	0.142	0.135	0.233	1959
1960	0.115	0.058	0.408	5.16	2.52	0.087	0.864	0.290	0.055	0.036	0.117	0.110	1.27	1960
1961	0.075	0.018	0.039	1.44	1.62	0.366	0.333	0.004	0.001	0.020	0.034	0.041	0.477	1961
1962	0.032	0.040	0.065	4.77	5.16	4.21	2.81	3.17	1.78	0.904	0.505	0.194	2.85	1962
1963	0.076	0.004	0.331	22.5	15.2	2.88	0.958	0.888	0.899	0.972	0.658	0.412	5.54	1963
1964	0.130	0.074	0.165	1.36	0.686	0.195	0.060	0.005	0.043	0.009	0.025	0.045	0.313	1964
1965	0.062	0.088	0.088	7.29	10.3	5.30	6.37	4.28	2.02	0.739	0.279	0.163	4.55	1965
1966	0.038	0.028	0.501	5.43	2.25	0.430	0.134	0.347	0.368	0.008	0.020	0.026	1.17	1966
1967	0.013	0.003	0.014	1.54	5.05	1.84	0.144	0.107	0	0	0	0	1.09	1967
1968	0.002	0.278	4.07	4.46	1.51	0.246	0.096	0.035	0.172	0.201	0.094	0.068	1.35	1968
1969	0.013	0.022	0.066	4.82	6.88	1.45	0.327	0.042	0.013	0.092	0.072	0.090	2.20	1969
1970	0.015	0.008	0.008	3.49	3.19	0.841	1.31	0.327	0.278	0.457	---	---	1.23	1970
1976	---	---	0.127	2.00	0.802	0.813	0.397	0.095	0.069	0.037	---	---	0.537	1976
1977	---	---	0.059	0.966	1.38	0.668	0.029	0.013	0.029	0.044	---	---	0.397	1977
1978	---	---	0.154	1.90	1.04	0.724	0.369	0.180	0.449	1.60	---	---	0.799	1978
1979	---	---	0.558	11.6	14.2	1.29	1.72	0.288	0.028	0.069	---	---	3.71	1979
1980	---	---	0.038	6.06	1.92	0.322	0.182	0.180	0.195	0.177	---	---	1.12	1980
1981	---	---	2.52	8.82	0.923	0.293	0.037	0.008	0	0	---	---	1.56	1981
1982	---	---	0	0.838	1.70	0.553	2.71	1.54	0.045	0.011	---	---	0.931	1982
MEAN	0.053	0.056	0.490	5.21	4.04	1.24	0.999	0.627	0.328	0.284	0.171	0.112	1.65	MEAN

LOCATION - LAT 53 22 30 N DRAINAGE AREA, 5 740 km²
LONG 111 10 30 W NATURAL FLOW

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	0 E ON SEP 1 *	---	1958
1959	---	1.70 ON MAY 5	0 B ON MAR 9	4 940	1959
1960	---	6.97 ON APR 16	0 ON OCT 30	26 900	1960
1961	---	2.61 ON APR 21	0 B ON MAR 1	10 100	1961
1962	---	9.97 ON MAY 3	0 B ON MAR 4	60 300	1962
1963	---	42.2 ON APR 22 *	0.006B ON MAR 1	117 000	1963
1964	---	2.41B ON APR 9	0 ON JUL 18	6 630	1964
1965	---	22.8 B ON APR 16	0.085B ON APR 1	96 300	1965
1966	---	12.4 ON APR 3	0 ON JUN 29	24 900	1966
1967	---	10.5 B ON APR 30	0 ON JUL 18	23 000	1967
1968	---	7.84 ON APR 5	0 ON JUL 30	28 500	1968
1969	---	19.1 ON APR 11	0 ON AUG 14	46 500	1969
1970	---	8.38B ON APR 12	0.007B ON MAR 1	26 100	1970
1976	---	4.30B ON APR 6	0.003 ON AUG 22	11 400	1976
1977	---	3.28 ON MAY 19	0 ON JUL 26	8 400	1977
1978	---	2.81 ON APR 16	0.003 ON AUG 16	16 900	1978
1979	---	39.2 ON APR 28	0 B ON MAR 1	78 700	1979
1980	---	10.2 ON APR 23	0.001B ON MAR 1	23 700	1980
1981	---	18.5 ON APR 3	0 B ON MAR 1	33 000	1981
1982	5.59 AT 13:26 MST ON AUG 3 *	5.50 ON AUG 3	0 B ON MAR 1	19 700	1982
				34 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	1.07 R	0.231R	0.204R	---	---	---	1979
1980	---	---	0.019	6.91	3.07	0.555	0.403	0.150	0.261	0.368	---	---	1.45	1980
1981	---	---	1.88	11.3	1.54	0.260	0.061	0.042	0	0.029	---	---	1.87	1981
1982	---	---	0	0.380	1.82	0.386	1.24	4.57	0.466	0.181	---	---	1.13	1982
MEAN	---	---	0.633	6.20	2.16	0.400	0.568	1.46 R	0.240R	0.186R	---	---	1.48	MEAN

LOCATION - LAT 53 29 28 N — LONG 110 23 51 W — DRAINAGE AREA, 7 270 km^2 — REGULATED

R - REVISED SINCE JAN 1980

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	15.6 ON APR 16	0.014 ON AUG 10	30 800	1980
1981	19.8 AT 09:30 MST ON APR 8 *	18.8 ON APR 7 *	0 ON JUL 27 *	39 600	1981
1982	7.44 AT 18:16 MST ON AUG 11	7.18 ON AUG 11	0 B ON MAR 1	24 000	1982
				31 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	1.87	0.664	0.009	0	0	0.002	0.099	0.110	---	---	0.346	1968
1969	---	---	0.031	6.98	0.750	0.343	0.006	0	0	0	---	---	0.996	1969
1970	---	---	0.034	2.43	0.500	0.031	0.157	0.042	0.012	0.005	---	---	0.397	1970
1971	---	---	0	7.59	1.43	0.176	0.257	0.069	0.015	0.001	---	---	1.17	1971
1972	---	---	0	6.50	1.09	0.045	0.003	0.001	0	0	---	---	0.990	1972
1973	---	---	0.211	3.87	0.580	2.17	6.31	5.25	0.089	0.208	---	---	2.44	1973
1974	---	---	0.014	25.9	16.8	1.32	0.271	0.014	0.003	0.001	---	---	5.51	1974
1975	---	---	0.007	1.98	1.59	0.018	0	0	0	0	---	---	0.447	1975
1976	---	---	0.135	0.812	0.003	0	0	0	0	0	---	---	0.117	1976
1977	---	---	0	0.053	---	0.259	0.003	0	0	0	---	---	---	1977
1978	---	---	0.010	0.426	0.048	0.002	0	0	1.55	0.461	---	---	0.305	1978
1979	---	---	0.294	11.8	2.28	0.080	0.045	0.004	0	0	---	---	1.79	1979
1980	---	---	0	2.30	0.178	0	0	0	0	0	---	---	0.304	1980
1981	---	---	1.61	1.07	0.071	0	0	0.012	0	0	---	---	0.346	1981
1982	---	---	0	0.481	0.364	0.005	6.16	0.447	0.382	0.118	---	---	1.00	1982
MEAN	---	---	0.281	4.86	1.86	0.297	0.826	0.365	0.184	0.055	---	---	1.15	MEAN

LOCATION - LAT 53 27 54 N — LONG 112 03 52 W — DRAINAGE AREA, 1 590 km^2 — NATURAL FLOW

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0R ON JUN 30 *	---	1967
1968	---	6.31 ON MAR 7	0 ON MAY 30	7 320	1968
1969	---	13.3 ON APR 12	0B ON MAR 1	21 100	1969
1970	---	6.48 ON APR 13	0B ON MAR 1	8 390	1970
1971	21.6 AT 03:00 MST ON APR 18	20.7 ON APR 18	0B ON MAR 1	24 900	1971
1972	12.5 AT 13:40 MST ON APR 15	12.2 ON APR 15	0B ON MAR 1	20 900	1972
1973	18.8 AT 06:00 MST ON JUL 7	18.5 ON JUL 7	0B ON MAR 1	51 600	1973
1974	77.3 AT 06:10 MST ON APR 20 *	74.5 ON APR 20 *	0 ON OCT 22	117 000	1974
1975	10.4 B AT 15:00 MST ON APR 25	9.57B ON APR 25	0 ON JUN 16	9 460	1975
1976	---	2.14 ON APR 12	0B ON MAR 1	2 470	1976
1977	---	---	0B ON MAR 1	---	1977
1978	5.10 AT 09:00 MST ON SEP 21	5.01 ON SEP 21	0B ON MAR 1	6 450	1978
1979	25.3 AT 22:30 MST ON APR 20	24.3 ON APR 20	0B ON MAR 1	37 900	1979
1980	6.42 AT 05:15 MST ON APR 14	6.26 ON APR 14	0B ON MAR 1	6 430	1980
1981	---	6.77B ON MAR 19	0B ON MAR 1	7 310	1981
1982	16.2 AT 00:44 MST ON JUL 8	15.8 ON JUL 8	0B ON MAR 1	21 200	1982
MEAN				24 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	0 R	0.239R	0.027R	---	---	---	1978
1979	---	---	0.026	0.849	0.016	0	0	0	0	0	---	---	0.109	1979
1980	---	---	0	0.098	0.002	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0.120	0.030	0	0	0	0	0	0	---	---	0.019	1981
1982	---	---	0	0.008	0.029	0.013	0.127	0.002	0	0	---	---	0.023	1982
MEAN	---	---	0.037	0.246	0.012	0.003	0.032	0 R	0.048R	0.005R	---	---	0.041	MEAN

LOCATION - LAT 53 17 42 N DRAINAGE AREA, 46.9 km²
LONG 112 02 54 W NATURAL FLOW

R - REVISED SINCE JAN 1980

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.85 ON APR 19 *	0B ON MAR 1 *	2 310	1979
1980	---	0.667 ON APR 12	0B ON MAR 1	258	1980
1981	---	0.435B ON MAR 20	0B ON MAR 1	400	1981
1982	---	0.820E ON JUL 5	0B ON MAR 1	476	1982
MEAN				861	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VOGEL CREEK NEAR THE MOUTH - STATION NO. 07AC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 58 N DRAINAGE AREA, 11.4 km²
LONG 118 27 07 W NATURAL FLOW

DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	---	---	---	1.98	1.37	---	---	---	1927
1928	---	---	---	0.438	0.647	0.632	0.856	0.677	0.474	0.456	---	---	---	1928
1929	---	---	---	0.270	0.520	0.527	0.361	0.219	0.131	0.109	---	---	---	1929
1930	---	---	---	0.165	0.071	0	0	0	0	0	---	---	---	1930
1931	---	---	---	0	---	---	---	---	---	---	---	---	---	1931
1969	---	---	---	---	---	0.007	0.028	0.067	0.062	0.046	---	---	---	1969
1970	---	---	0	0.732	0.097	0.068	0.096	0.070	0.052	0.058	---	---	0.145	1970
1971	---	---	0.007	1.41	0.225	0.278	2.00	0.324	0.119	0.089	---	---	0.557	1971
1972	---	---	0.369	1.70	0.730	0.300	0.177	0.152	0.111	0.069	---	---	0.448	1972
1973	---	---	0.112	0.203	0.219	0.376	0.187	0.139	0.080	0.136	---	---	0.181	1973
1974	---	---	0.025	5.53	4.55	1.86	2.22	1.28	0.900	0.689	---	---	2.12	1974
1975	---	---	0.368	1.05	0.676	0.485	0.286	0.049	0.039	0.033	---	---	0.371	1975
1976	---	---	0.090	0.466	0.136	0.102	0.235	0.194	0.079	0.053	---	---	0.169	1976
1977	---	---	0.049	0.308	0.776	0.446	0.050	0.050	0.088	0.060	---	---	0.228	1977
1978	---	---	0.218	0.297	0.257	0.233	0.589	0.083	0.649	0.329	---	---	0.331	1978
1979	---	---	0.723	1.44	1.22	0.889	0.779	0.769	0.428	0.173	---	---	0.801	1979
1980	---	---	0.124	1.18	0.340	0.397	0.231	0.341	0.365	0.243	---	---	0.400	1980
1981	---	---	0.663	0.524	0.220	0.141	0.148	0.117	0.021	0.045	---	---	0.235	1981
1982	---	---	0.036	1.69	0.749	0.115	4.03	2.30	2.07	1.48	---	---	1.56	1982
MEAN	---	---	0.214	1.02	0.715	0.403	0.722	0.402	0.425	0.302	---	---	0.580	MEAN

LOCATION - LAT 53 27 42 N DRAINAGE AREA, 513 km²
LONG 114 22 00 W NATURAL FLOW

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	0.583 ON JUN 18	0 B ON APR 1 *	---	1929
1930	---	0.252 ON MAY 7	0 B ON APR 1	---	1930
1931	---	---	0 ON APR 1	---	1931
1969	---	---	0 ON JUN 16	---	1969
1970	---	2.38 B ON APR 8	0 B ON MAR 1	3 070	1970
1971	6.65 AT 02:00 MST ON JUL 12	6.34 ON JUL 11	0.003B ON MAR 1	11 800	1971
1972	5.24B AT 03:00 MST ON APR 8	4.70 B ON APR 7	0.006B ON MAR 1	9 470	1972
1973	2.64 AT 10:40 MST ON JUN 25	1.91 ON JUN 25	0.014B ON MAR 1	3 830	1973
1974	15.4 B AT 16:00 MST ON APR 18	14.6 B ON APR 19 *	0.014B ON MAR 1	44 900	1974
1975	---	2.69 B ON APR 21	0.031E ON SEP 24	7 850	1975
1976	---	0.934B ON APR 3	0.021B ON MAR 1	3 580	1976
1977	3.57 AT 03:50 MST ON MAY 30	3.23 ON MAY 30	0.021 ON JUL 24	4 820	1977
1978	5.72 AT 15:30 MST ON JUL 11	3.20 ON JUL 12	0.021B ON MAR 1	7 010	1978
1979	17.6 AT 00:00 MST ON APR 24 *	6.57 B ON APR 23	0.034B ON MAR 1	17 000	1979
1980	3.14B AT 12:00 MST ON APR 12	2.40 B ON APR 12	0.081 ON AUG 2	8 470	1980
1981	3.60 AT 09:25 MST ON MAR 18	2.02 B ON MAR 18	0.012 ON SEP 15	4 980	1981
1982	11.6 AT 05:45 MST ON JUL 6	11.1 ON JUL 6	0.020B ON MAR 1	33 100	1982
MEAN				12 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	---	73.4	65.0	59.6	41.4	---	---	---	1963
1964	--	---	6.47	33.4	282	198	69.0	239	183	110	78.3	42.4	---	1964
1965	25.7	20.5	18.9	---	---	135	93.2	62.0	85.9	79.3	106	73.5	---	1965
1966	14.6	15.4	15.1	38.5	99.5	71.8	56.6	36.5	38.6	25.0	16.5	10.7	36.7	1966
1967	7.79	6.18	5.17	10.5	374	172	92.6	43.8	31.5	25.6	13.2	6.14	66.3	1967
1968	2.63	2.21	3.21	59.2	192	96.9	109	66.5	50.7	51.3	35.1	13.7	57.2	1968
1969	7.96	5.52	5.18	---	---	91.1	38.3	21.6	51.0	126	79.6	52.6	---	1969
1970	24.0	16.4	14.7	---	---	93.4	314	131	81.6	---	---	---	---	1970
MEAN	13.8	11.0	9.82	35.4	237	123	106	83.2	72.7	65.5	54.8	33.2	53.4	MEAN

LOCATION - LAT 58 17 30 N DRAINAGE AREA, 36 500 km²
LONG 115 23 00 W NATURAL FLOW

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	408 ON MAY 26	6.03B ON MAR 21	---	1964
1965	---	---	18.7 B ON FEB 24	---	1965
1966	---	137 ON MAY 10	8.50B ON MAR 30	1 160 000	1966
1967	637 AT 09:30 MST ON MAY 20 *	629 ON MAY 20 *	3.68B ON DEC 29	2 090 000	1967
1968	382 AT 15:00 MST ON MAY 7	374 ON MAY 7	1.69B ON JAN 20 *	1 810 000	1968
1969	---	278 ON MAY 15	5.07B ON MAR 18	---	1969
1970	549 AT 15:30 MST ON JUL 7	544 ON JUL 7	13.1 B ON MAR 30	---	1970
				1 690 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	138	79.2	63.6	32.7	16.6	---	1970
1971	10.5	8.80	9.09	104	123	82.8	239	96.6	60.5	43.1	20.2	12.3	68.1	1971
1972	8.74	6.71	8.43	53.2	484	161	188	58.0	29.2	31.0	22.6	10.8	84.1	1972
1973	9.64	8.98	9.16	90.5	362	799	431	264	192	156	83.8	48.4 R	205 R	1973
1974	35.3 R	25.9	21.5	478	726	198	230	135	104	78.2	41.9	25.9	176 R	1974
1975	18.7	16.3	15.2	73.8	237	245	268	245	380	200	106	50.4	155	1975
1976	32.7	24.6	18.9	188	96.6	87.4	270	181	124	92.2	46.9	30.3	99.7	1976
1977	22.6	22.9	22.9	71.0	141	215	151	70.7	49.9	72.7	38.7	18.2	78.5	1977
1978	14.6	10.8	11.6	67.8	266	171	76.1	49.4	312	222	95.3	45.4	112	1978
1979	24.5	18.7	11.0	33.8	415	398	192	92.1	76.5	54.0	---	---	---	1979
1980	---	---	12.9	50.0	33.5	28.3	29.5	111	90.4	89.8	47.4	21.3	---	1980
1981	14.9	11.4	13.4	113	251	71.2	39.3	18.6	6.86	10.8	5.77	3.75	46.9	1981
1982	1.57	1.35	1.66	37.1	186	41.8	10.0	32.4	21.4	15.9	11.0	7.80	30.9	1982
MEAN	17.6 R	14.2	13.0	113	277	207	174	115	117	86.9	45.7	24.3 R	105	MEAN

LOCATION - LAT 57 52 30 N   DRAINAGE AREA, 35 700 km^2 R - REVISED SINCE JAN 1980
LONG 115 23 20 W   NATURAL FLOW

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	348 ON APR 25	8.33 B ON FEB 20	2 150 000	1971
1972	---	932 ON MAY 2	6.29 B ON FEB 18	2 660 000	1972
1973	1 630 AT 12:00 MST ON JUN 19	1 620 ON JUN 19	8.07 B ON FEB 24	6 470 000R	1973
1974	1 700A AT 17:00 MST ON APR 27 *	1 690A ON APR 27 *	19.2 B ON MAR 22	5 550 000R	1974
1975	728 AT 23:00 MST ON SEP 2	716 ON SEP 2	14.8 B ON MAR 24	4 900 000	1975
1976	416 AT 17:30 MST ON APR 17	382B ON APR 16	17.1 B ON MAR 3	3 150 000	1976
1977	354 AT 21:30 MST ON JUN 5	348 ON JUN 6	16.2 B ON NOV 25	2 350 000	1977
1978	442 AT 22:00 MST ON SEP 19	439 ON SEP 19	9.63 B ON FEB 22	3 530 000	1978
1979	554 AT 14:00 MST ON MAY 30	549 ON MAY 30	---	---	1979
1980	228 AT 15:00 MST ON AUG 9	225 ON AUG 9	---	---	1980
1981	535 AT 16:00 MST ON APR 27	471 ON MAY 3	2.70 B ON DEC 31	1 480 000	1981
1982	325 AT 11:00 MST ON APR 30	274 ON MAY 2	0.900B ON FEB 11 *	975 000	1982
				3 320 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	---	0.001R	0.135R	---	---	---	1979
1980	---	---	0.049	1.21	0.005	0.004	0.003	0.002	0.002	0.037	---	---	0.161	1980
1981	---	---	2.65	1.12	0.041	0.011	0.015	0	0	0.080	---	---	0.491	1981
1982	---	---	0	5.65	0.718	0	0	0	0	0	---	---	0.783	1982
MEAN	---	---	0.900	2.66	0.255	0.005	0.006	0.001	0.001R	0.063R	---	---	0.478	MEAN

LOCATION - LAT 54 13 27 N   DRAINAGE AREA, 339 km^2 R - REVISED SINCE JAN 1980
LONG 113 55 26 W   NATURAL FLOW

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	4.37B AT 10:55 MST ON APR 6	3.74B ON APR 5	0B ON MAR 1 *	3 400	1980
1981	12.5 AT 06:00 MST ON MAR 29	12.0 B ON MAR 29	0B ON MAR 1	10 400	1981
1982	35.3 AT 18:35 MST ON APR 24 *	34.1 ON APR 24 *	0B ON MAR 1	16 600	1982
MEAN				10 100	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	2.12	1.04	0.032	0	0	0	0.006	---	---	0.395	1967
1968	---	---	0.749	0.118	0.009	0.007	0	0	0	0.010	---	---	0.113	1968
1969	---	---	0	3.68	0.052	0.004	0	0.372	0.419	0.015	---	---	0.558	1969
1970	---	---	0.003	4.87	0.050	0.048	0.219	0.074	0.025	0.003	---	---	0.650	1970
1971	---	---	0.084	7.07	0.107	1.04	6.27	0.142	0.002	0.001	---	---	1.83	1971
1972	---	---	0.037	8.05	0.524	0.043	0.007	0	0	0	---	---	1.06	1972
1973	---	---	0.745	1.01	0.052	0.282	0.078	0.048	0.007	0.012	---	---	0.278	1973
1974	---	---	0	14.6	1.18	0.005	2.72	0.038	0.009	0.005	---	---	2.29	1974
1975	---	---	0	1.42	0.293	0.051	0.288	0.118	0.121	0.006	---	---	0.284	1975
1976	---	---	0.280	1.41	0.109	0.006	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	2.55	0.119	0.054	0.148	0.022	0.017	0.044	---	---	0.363	1977
1978	---	---	0.777	2.22	0.125	0.086	0.056	0.024	0.418	0.277	---	---	0.493	1978
1979	---	---	1.74	5.92	0.203	0.250	2.80	---	---	---	---	---	---	1979
MEAN	---	---	0.380	4.23	0.297	0.147	0.968	0.070	0.085	0.032	---	---	0.711	MEAN

LOCATION - LAT 54 11 31 N   DRAINAGE AREA, 325 km^2
LONG 113 55 32 W   NATURAL FLOW

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	16.1 AT 03:00 MST ON APR 29	15.2 ON APR 28	0B ON MAR 1 *	8 370	1967
1968	---	2.80B ON MAR 5	0 ON JUN 23	2 390	1968
1969	21.2 AT 23:00 MST ON APR 12	20.7 ON APR 13	0B ON MAR 1	11 800	1969
1970	24.7 AT 09:45 MST ON APR 11	23.6 ON APR 11	0 ON OCT 1	13 700	1970
1971	38.8 AT 21:00 MST ON APR 19	35.7 ON APR 19	0B ON MAR 1	38 700	1971
1972	27.2 B AT 22:30 MST ON APR 15	25.5 ON APR 16	0B ON MAR 1	22 500	1972
1973	4.50B AT 16:40 MST ON APR 1	4.45B ON MAR 31	0B ON MAR 1	5 880	1973
1974	64.3 A ON APR 19 *	60.3 E ON APR 20 *	0B ON MAR 1	48 500	1974
1975	6.80B AT 20:00 MST ON APR 21	6.23B ON APR 21	0B ON MAR 1	6 010	1975
1976	---	3.40B ON APR 3	0B ON MAR 1	4 700	1976
1977	18.6 B AT 23:30 MST ON APR 8	16.4 ON APR 9	0B ON MAR 1	7 690	1977
1978	11.8 B AT 19:40 MST ON MAR 31	11.2 B ON MAR 31	0B ON MAR 1	10 400	1978
1979	16.0 AT 01:50 MST ON APR 21	15.0 ON APR 21	0B ON MAR 1	---	1979
MEAN				15 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.007	---	---	---	1977
1978	---	---	0.041	0.649	0.100	0.021	0.001	0	0	0	---	---	0.100	1978
1979	---	---	0	0.464	1.04	0.069	0.214	0.002	0	0	---	---	0.224	1979
1980	---	---	0.002	0.023	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.050	0.594	0.078	0.005	0	0	0	0	---	---	0.090	1981
1982	---	---	0	0.317	0.019	0.001	0	0.001	0	0	---	---	0.041	1982
MEAN	---	---	0.019	0.409	0.247	0.019	0.043	0.001	0	0.001	---	---	0.092	MEAN

LOCATION - LAT 56 01 37 N   DRAINAGE AREA, 149 km^2
LONG 117 56 08 W   NATURAL FLOW

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 19 *	---	1977
1978	4.05 B AT 13:00 MST ON APR 9	2.72 B ON APR 9	0B ON MAR 1	2 110	1978
1979	14.6 B AT 19:30 MST ON APR 30 *	10.0 B ON APR 30 *	0B ON MAR 1	4 730	1979
1980	0.197B AT 11:30 MST ON APR 5	0.099B ON APR 4	0B ON MAR 1	67.9	1980
1981	2.93 AT 03:00 MST ON APR 20	2.36 ON APR 20	0B ON MAR 1	1 900	1981
1982	5.94 AT 20:00 MST ON APR 24	2.79 ON APR 25	0B ON MAR 1	878	1982
				1 940	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	2.62	5.26	---	---	---	---	---	---	---	1972
1977	---	---	---	---	---	---	1.14	2.39	1.67	1.25	---	---	---	1977
1978	---	---	---	---	3.34	4.64	3.39	2.85	2.28	1.22	---	---	2.95	1978
1979	---	---	---	---	3.11	2.45	1.30	1.79	0.876	0.589	---	---	1.69	1979
1980	---	---	---	---	1.69	5.09	1.61	1.94	1.85	0.879	---	---	2.16	1980
1981	---	---	---	---	6.21	4.80	7.35	6.80	2.28	1.26	---	---	4.80	1981
1982	---	---	---	---	1.97	3.40	2.71	1.23	1.43	1.37	---	---	2.02	1982
MEAN	---	---	---	---	3.16	4.27	2.92	2.83	1.73	1.09	---	---	2.72	MEAN

LOCATION - LAT 51 22 04 N   DRAINAGE AREA, 230 km^2
LONG 114 59 27 W   NATURAL FLOW

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	16.4 ON JUN 24	---	---	1972
1977	8.35 AT 06:00 MST ON AUG 14	7.02 ON AUG 14	---	---	1977
1978	---	8.52 ON JUN 4	1.04 B ON OCT 29	46 900	1978
1979	10.5 AT 21:00 MST ON MAY 26	6.74 ON MAY 24	0.233B ON OCT 30 *	26 800	1979
1980	11.6 AT 23:00 MST ON JUN 9	9.16 ON JUN 10	0.657A ON MAY 15	34 400	1980
1981	29.6 AT 10:30 MST ON JUL 30 *	22.1 ON JUL 30 *	0.506 ON MAY 7	76 200	1981
1982	10.0 AT 20:46 MST ON JUN 22	5.05 ON JUN 28	0.332 ON MAY 9	32 000	1982
				43 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.765	1.61	3.98	4.59	4.67	3.60	2.25	1.87	---	---	---	1966
1967	---	---	0.322	0.802	8.60	11.8	3.25	1.68	0.909	0.301	---	---	---	1967
1968	---	---	0.701	0.871	2.09	3.87	2.82	2.99	2.12	2.12	---	---	---	1968
1969	---	---	0.739	3.52	7.65	9.31	11.7	2.88	1.69	1.44	0.854	0.502	---	1969
1970	0.155	0.262	0.396	0.737	3.13	7.76	3.03	1.23	1.08	0.698	0.637	0.328	1.62	1970
1971	0.374	0.511	0.333	1.13	2.11	5.32	1.76	1.10	1.08	0.930	0.602	0.218	1.29	1971
1972	0.275	0.362	0.716	1.49	4.47	6.87	5.20	2.40	1.83	1.34	0.762	0.687	2.20	1972
1973	0.579	0.516	0.579	1.58	7.48	6.53	2.92	2.28	1.99	1.15	0.417	0.455	2.22	1973
1974	0.295	0.449	0.412	2.15	6.89	7.57	2.93	2.40	1.75	1.13	0.819	0.605	2.29	1974
1975	0.350	0.231	0.347	0.916	2.45	2.23	2.61	2.09	1.19	0.883	0.654	0.539	1.22	1975
1976	0.494	0.337	0.370	1.33	2.17	1.91	1.68	3.81	1.99	1.20	0.780	0.573	1.39	1976
1977	0.343	0.460	0.425	0.982	2.56	2.12	1.18	1.91	1.98	1.52	0.871	0.453	1.23	1977
1978	0.337	0.306	0.805	[illegible]	3.70	4.70	3.78	2.94	2.27	1.50	1.02	0.647	2.02	1978
1979	0.181	0.207	0.721	1.53	3.37	2.55	1.44	1.92	1.11	0.691	0.390	0.570	1.23	1979
1980	0.197	0.245	0.293	2.01	2.05	5.14	1.96	1.93	1.70	1.05	0.750	0.720	1.50	1980
1981	0.564	0.762	0.492	0.668	8.03	5.88	10.5	7.77	2.26	1.60	0.891	0.555	3.36	1981
1982	0.174	0.148	0.200	0.950	2.36	4.35	3.06	1.57	1.70	1.50	0.590	0.565	1.44	1982
MEAN	0.332	0.369	0.507	1.43	4.30	5.44	3.79	2.62	1.70	1.23	0.717	0.530	1.77	MEAN

LOCATION - LAT 51 16 58 N   DRAINAGE AREA, 334 km^2
LONG 114 50 15 W   NATURAL FLOW

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.4 AT 13:00 MST ON JUL 3	18.7 ON JUL 3	---	---	1966
1967	110 AT 03:00 MST ON MAY 31 *	72.2 ON MAY 31 *	---	---	1967
1968	13.6 AT 23:19 MST ON JUN 2	7.31 ON JUN 3	---	---	1968
1969	51.5 AT 14:24 MST ON JUN 29	44.5 ON JUN 29	---	---	1969
1970	71.9 AT 07:21 MST ON JUN 16	49.6 ON JUN 16	0.136B ON JAN 12	51 100	1970
1971	34.5 AT 06:30 MST ON JUN 6	24.4 ON JUN 6	0.156B ON DEC 23	40 600	1971
1972	40.5 AT 08:30 MST ON JUN 24	27.3 ON JUN 24	0.184B ON JAN 1	69 700	1972
1973	36.2 AT 09:30 MST ON MAY 26	30.0 ON MAY 26	0.198B ON NOV 28	69 800	1973
1974	17.0 AT 22:50 MST ON JUN 15	13.2 ON MAY 26	0.255B ON JAN 10	72 100	1974
1975	11.6 IN JUL	6.51E ON JUL 30	0.204B ON FEB 3	38 300	1975
1976	12.9 AT 04:00 MST ON AUG 5	9.80 ON AUG 10	0.311B ON MAR 1	44 000	1976
1977	11.5 AT 06:30 MST ON MAY 24	6.99 ON MAY 24	0.283B ON JAN 14	38 900	1977
1978	32.0 AT 18:00 MST ON APR 28	15.0 ON APR 28	0.201B ON DEC 30	63 700	1978
1979	8.97 AT 02:00 MST ON MAY 24	7.27 ON MAY 24	0.137B ON JAN 16	38 700	1979
1980	11.6 AT 02:00 MST ON JUN 10	8.58 ON JUN 3	0.090B ON JAN 10	47 400	1980
1981	57.9 AT 15:15 MST ON JUL 30	38.2 ON JUL 30	0.356B ON DEC 16	106 000	1981
1982	15.4 AT 23:14 MST ON JUN 22	6.07 ON JUN 28	0.080B ON JAN 23 *	45 300	1982
				55 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB086

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0	0.021	0.002	0	---	---	---	1960
1961	---	---	0.004	0.001	0.116	0.128	0.186	0	0	0	---	---	0.054	1961
1962	---	---	0.022	0.001	0	0	0	0	0	0	---	---	0.003	1962
1963	---	---	0	0	0	0	0.008	0	0	0	---	---	0.001	1963
1964	---	---	0.006	0.001	0	0	0	0	0	0	---	---	0.001	1964
1965	---	---	0	0.138	0.005	0.144	0.022	0.009	0.002	0	---	---	0.039	1965
1966	---	---	0.153	0.252	0	0	0	0	0	0	---	---	0.050	1966
1967	---	---	0	0.385	0.706	0.313	0.128	0.115	0.007	0.021	---	---	0.209	1967
1968	---	---	0.009	0.001	0.001	0.002	0.011	0	0.041	0.003	---	---	0.008	1968
1969	---	---	---	0.100	0.001	0.010	0.021	0.001	0	0.023	---	---	---	1969
1970	---	---	---	0.010	0.604	0.428	0.008	0	0	0	---	---	---	1970
1971	---	---	---	0.068	0.001	0.003	0	0.001	0	0.030	---	---	---	1971
1972	---	---	---	0.002	0.005	0.023	0	0	0	0.015	---	---	---	1972
1973	---	---	---	0.229	0.132	0.004	0	0	0	0	---	---	---	1973
1974	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0.009	0.028	0.037	0	0	0	0	---	---	0.009	1975
1976	---	---	---	0.002	0	0	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1977
1978	---	---	0.001	0.023	0.001	0	0	0	0	0	---	---	0.003	1978
MEAN	---	---	0.016	0.068	0.089	0.061	0.020	0.008	0.003	0.005	---	---	0.031	MEAN

LOCATION - LAT 49 17 30 N
LONG 110 01 20 W
DRAINAGE AREA, 84.4 km^2
REGULATED
INTERNATIONAL GAUGING STATION

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB086

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	0E ON JUL 1 *	---	1960
1961	---	0.685 ON MAY 12	0B ON MAR 1	1 150	1961
1962	---	0.227B ON MAR 26	0B ON MAR 1	61.6	1962
1963	---	0.051 ON JUL 14	0B ON MAR 1	20.8	1963
1964	---	0.062B ON MAR 18	0B ON MAR 1	18.5	1964
1965	---	1.44 ON JUN 25	0B ON MAR 1	834	1965
1966	---	1.63 B ON MAR 29 *	0B ON MAR 1	1 060	1966
1967	---	1.42 B ON APR 10	0B ON MAR 1	4 430	1967
1968	---	0.694 ON SEP 29	0 ON JUN 17	179	1968
1969	---	0.597A ON APR 10	0 ON APR 1	---	1969
1970	---	1.55 ON JUN 13	0B ON APR 1	---	1970
1971	0.634 AT 12:52 CST ON OCT 31	0.530B ON APR 9	0B ON APR 1	---	1971
1972	2.14 AT 08:20 CST ON JUN 23 *	0.532 ON JUN 23	0 ON APR 12	---	1972
1973	---	1.53 ON APR 28	0A ON MAR 20	---	1973
1974	---	0.008B ON MAR 31	0B ON MAR 1	4.50	1974
1975	1.75 AT 20:32 CST ON JUN 19	0.733 ON JUN 20	0B ON MAR 1	195	1975
1976	---	---	0 ON APR 28	---	1976
1977	---	0.042 ON JUN 16	0 ON MAR 1	3.63	1977
1978	---	0.521B ON APR 5	0B ON MAR 1	64.2	1978
				668	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.207	0.167	---	---	---	1966
1967	---	---	---	---	---	0.848	0.173	0.081	0.050	0.053	0.035	---	---	1967
1968	---	---	---	0.036	0.506	0.299	0.467	0.399	0.171	0.115	0.078	0.026	0.286	1968
1969	---	---	---	---	0.453	0.442	0.821	0.965	0.168	0.130	---	---	---	1969
1970	---	---	---	---	0.556	0.572	0.117	0.065	0.049	0.030	---	---	---	1970
1971	---	---	---	0.132	0.657	1.09	0.669	0.132	0.180	0.154	---	---	0.424	1971
1972	---	---	---	---	0.983	1.20	0.336	0.122	0.237	0.294	---	---	---	1972
1973	---	---	---	0.066	1.83	0.462	0.216	0.139	0.132	0.162	---	---	0.432	1973
1974	---	---	---	0.344	1.12	0.412	0.265	0.129	0.174	0.118	---	---	0.366	1974
1975	---	---	---	0.037	0.405	0.343	0.193	0.077	0.059	0.046	---	---	0.166	1975
1976	---	---	---	0.148	0.563	0.476	0.175	0.353	0.160	0.087	---	---	0.280	1976
1977	---	---	---	0.092	1.46	0.559	0.511	0.403	0.500	0.261	---	---	0.544	1977
1978	---	---	---	0.312	1.01	0.686	0.503	0.243	0.526	0.201	---	---	0.498	1978
1979	---	---	---	0.036	0.655	0.441	0.295	0.103	0.046	0.077	---	---	0.237	1979
1980	---	---	---	0.370	0.507	2.93	0.675	0.305	0.451	0.204	---	---	0.771	1980
1981	---	---	---	0.076	0.628	0.533	0.645	0.306	0.126	0.050	---	---	0.339	1981
1982	---	---	---	0.234	0.783	0.577	1.21	0.367	0.353	0.491	---	---	0.577	1982
MEAN	---	---	---	0.157	0.808	0.742	0.454	0.262	0.209	0.155	0.057	0.026	0.410	MEAN

LOCATION - LAT 53 09 22 N DRAINAGE AREA, 25.4 km^2
LONG 117 15 40 W NATURAL FLOW

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	2.63 E ON JUN 9	---	---	1967
1968	2.13 AT 17:20 MST ON JUL 20	1.56 ON JUL 22	0.001B ON APR 16 *	5 290	1968
1969	20.4 AT 17:39 MST ON AUG 5 *	7.99 ON AUG 5	---	---	1969
1970	3.94 AT 05:00 MST ON JUN 16	3.37 ON JUN 16	---	---	1970
1971	7.50 AT 23:30 MST ON JUN 8	5.27 ON JUN 9	0.011B ON APR 1	7 850	1971
1972	10.3 AT 15:00 MST ON JUN 25	6.91 ON JUN 25	---	---	1972
1973	8.38 AT 19:15 MST ON MAY 15	5.21 ON MAY 16	0.014B ON APR 1	7 990	1973
1974	2.42 AT 22:30 MST ON MAY 6	1.78 ON MAY 6	0.040 ON AUG 9	6 770	1974
1975	0.954 AT 13:00 MST ON JUN 17	0.850B ON MAY 9	0.014B ON APR 1	3 060	1975
1976	1.45 AT 00:10 MST ON MAY 3	1.22 ON MAY 2	0.014B ON APR 1	5 190	1976
1977	8.75 AT 16:20 MST ON MAY 29	4.90 ON MAY 29	0.040B ON APR 20	10 100	1977
1978	8.04 AT 09:10 MST ON MAY 16	4.05 ON MAY 16	0.099B ON APR 1	9 210	1978
1979	1.57 AT 06:00 MST ON JUN 20	1.10 ON MAY 16	0.008 ON SEP 18	4 380	1979
1980	19.1 AT 08:30 MST ON JUN 4	15.5 ON JUN 4 *	0.050B ON APR 1	14 300	1980
1981	3.34 AT 02:45 MST ON JUL 30	2.45 ON JUL 30	0.020B ON APR 1	6 270	1981
1982	7.43 AT 19:55 MST ON JUL 4	5.55 ON JUL 5	0.005B ON APR 1	10 700	1982
				7 590	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.239	6.12	6.24	8.43	29.1	4.32	1.51	0.603	0.577	0.347	---	1971
1972	0.189	0.144	0.160	2.35	12.6	6.83	4.82	1.95	0.779	1.26	0.902	0.459	2.71	1972
1973	0.207	0.142	0.122	1.37	8.26	27.6	9.66	11.9	5.86	8.19	4.34	1.46	6.61	1973
1974	0.852	0.476	0.354	18.6	26.5	4.99	9.21	3.86	6.13	4.27	1.86	0.589	6.51	1974
1975	0.269	0.210	0.189	2.73	11.3	5.69	9.97	10.4	24.7	5.56	2.15	0.571	6.16	1975
1976	0.245	0.195	0.166	2.31	1.14	7.27	16.3	2.78	4.43	2.61	0.892	0.377	3.24	1976
1977	0.234	0.183	0.136	2.55	9.68	6.65	3.30	2.20	1.08	1.68	0.842	0.382	2.42	1977
1978	0.175	0.137	0.148	1.86	5.92	7.17	2.93	1.26	19.9	8.74	1.93	0.506	4.22	1978
1979	0.245	0.198	0.196	0.926	10.3	10.8	11.8	4.71	5.54	2.58	1.15	0.384	4.09	1979
1980	0.177	0.095	0.050	2.13	0.949	0.487	0.548	14.5	8.07	3.93	1.48	0.406	2.75	1980
1981	0.200	0.128	0.094	2.49	3.98	1.14	2.68	0.579	0.093	0.053	0.179	0.195	0.991	1981
1982	0.176	0.120	0.089	1.33	4.94	2.12	1.38	2.15	0.779	0.495	0.371	0.209	1.19	1982
MEAN	0.270	0.184	0.162	3.73	8.48	7.43	8.47	5.05	6.57	3.33	1.39	0.490	3.72	MEAN

LOCATION - LAT 55 11 57 N DRAINAGE AREA, 1 110 km^2
LONG 112 27 58 W NATURAL FLOW

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	53.2 ON JUL 8	53.2 ON JUL 8	---	---	1971
1972	---	20.7 A ON MAY 8	0.139B ON FEB 19	85 700	1972
1973	66.3 AT 09:30 MST ON JUN 21	65.7 ON JUN 21	0.113B ON MAR 17	208 000	1973
1974	69.7 AT 16:00 MST ON APR 29 *	68.8 ON APR 29 *	0.280B ON APR 5	205 000	1974
1975	55.8 AT 11:30 MST ON SEP 5	55.5 ON SEP 5	0.150B ON MAR 24	194 000	1975
1976	35.1 AT 11:00 MST ON JUL 2	35.1 ON JUL 2	0.023B ON FEB 29	102 000	1976
1977	15.0 AT 01:30 MST ON MAY 23	14.9 ON MAY 23	0.119B ON MAR 22	76 300	1977
1978	37.4 AT 16:30 MST ON SEP 22	37.1 ON SEP 22	0.119B ON FEB 27	133 000	1978
1979	19.2 AT 19:30 MST ON JUL 18	19.1 ON JUL 18	0.179B ON MAR 23	129 000	1979
1980	29.5 AT 19:00 MST ON AUG 12	29.3 ON AUG 12	0.038B ON MAR 8	86 800	1980
1981	11.1 AT 22:40 MST ON MAY 2	8.89 ON MAY 2	0.004 ON OCT 5 *	31 300	1981
1982	9.30 AT 06:18 MST ON APR 30	8.98 ON MAY 2	0.073B ON MAR 5	37 500	1982
				117 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	20.6	12.8	9.11	---	---	---	---	---	---	---	---	---	---	1918
1960	---	---	---	---	---	---	---	---	---	---	---	17.4	---	1960
1961	8.89	5.20	8.69	19.7	162	195	76.8	30.9	48.3	94.6	52.9	22.3	60.8	1961
1962	13.6	19.6	9.87	78.5	284	287	262	93.2	70.0	55.3	55.9	20.4	105	1962
1963	19.9	20.6	15.6	84.0	339	272	111	50.2	44.0	48.3	18.3	15.5	86.9	1963
1964	12.3	13.6	10.1	41.4	280	580	359	306	189	136	59.0	30.0	168	1964
1965	21.5	21.7	30.1	212	361	455	479	78.1	88.7	126	52.3	20.1	163	1965
1966	14.4	16.6	17.2	196	303	235	158	123	78.4	62.2	38.0	36.0	107	1966
1967	20.8	15.2	13.7	33.0	487	627	159	66.0	36.9	44.3	21.2	10.1	128	1967
1968	17.2	21.1	27.8	42.0	276	380	177	103	67.0	72.1	47.4	18.2	104	1968
1969	12.7	9.44	9.23	137	243	205	95.0	71.6	189	88.5	30.2	17.5	92.4	1969
1970	12.4	10.9	14.2	55.0	128	228	82.2	55.1	45.5	41.3	17.0	13.0	58.7	1970
1971	8.71	9.42	8.17	73.5	219	420	369	62.2	53.9	121	33.3	21.3	117	1971
1972	11.3	10.9	16.4	105	365	581	179	63.6	42.0	163	63.8	38.8	137	1972
1973	20.4	16.0	12.9	114	288	218	103	57.4	59.7	69.2	25.4	20.7	84.1	1973
1974	12.3	10.5	8.98	169	386	328	160	69.1	57.7	86.8	26.5	16.2	111	1974
1975	12.2	9.33	9.91	32.5	151	256	233	66.3	42.9	28.8	52.2	21.6	76.5	1975
1976	17.9	16.8	12.9	131	359	305	270	360	129	72.1	34.4	21.1	145	1976
1977	17.4	15.9	12.2	99.9	363	293	233	117	102	152	50.4	22.8	124	1977
1978	14.4	10.5	13.1	48.2	148	200	159	71.5	98.3	84.2	62.6	19.5	77.7	1978
1979	12.6	10.9	14.2	69.9	279	376	154	48.5	30.7	28.8	12.6	9.12	87.5	1979
1980	7.79	7.33	6.80	59.0	171	449	172	105	145	91.2	34.3	30.4	106	1980
1981	22.2	23.2	29.4	78.5	290	203	98.2	62.4	26.3	22.4	32.2	12.5	75.3	1981
1982	9.50	9.84	7.93	26.9	230	319	497	287	113	59.1	20.0	16.2	134	1982
MEAN	14.8	13.8	13.8	86.6	278	337	208	107	79.9	79.4	38.2	20.5	107	MEAN

LOCATION - LAT 55 04 20 N DRAINAGE AREA, 11 300 km²
LONG 118 48 10 W NATURAL FLOW

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	39.1B ON JAN 6	7.39B ON MAR 17	---	1918
1960	---	---	---	---	1960
1961	---	396 ON MAY 24	4.02B ON FEB 19 *	1 930 000	1961
1962	1 380 AT 16:00 MST ON JUL 19	1 020 ON JUL 19	7.65B ON MAR 6	3 300 000	1962
1963	---	535 ON MAY 23	11.1 B ON DEC 21	2 740 000	1963
1964	---	2 090 ON JUN 29	6.09B ON JAN 24	5 320 000	1964
1965	2 730A AT 21:00 MST ON JUL 9	2 280 A ON JUL 9	9.83B ON JAN 14	5 130 000	1965
1966	646 AT 20:15 MST ON MAY 11	606 ON MAY 11	11.8 B ON JAN 25	3 370 000	1966
1967	---	960 ON JUN 3	8.50B ON DEC 17	4 050 000	1967
1968	844 AT 15:30 MST ON JUN 14	807 ON JUN 14	11.2 B ON JAN 10	3 300 000	1968
1969	---	402 ON MAY 4	7.93B ON MAR 20	2 910 000	1969
1970	---	467 ON JUN 4	8.95B ON MAR 4	1 850 000	1970
1971	1 040 AT 18:00 MST ON JUN 17	968 ON JUL 13	7.25B ON JAN 26	3 700 000	1971
1972	4 670 AT 08:00 MST ON JUN 13	3 680 ON JUN 13 *	8.72B ON JAN 15	4 320 000	1972
1973	---	459 A ON MAY 19	11.8 B ON MAR 22	2 650 000	1973
1974	668 AT 16:00 MST ON APR 26	595 ON APR 30	8.07B ON MAR 31	3 510 000	1974
1975	634 AT 09:30 MST ON JUL 17	561 ON JUL 17	8.41B ON FEB 13	2 410 000	1975
1976	1 040 AT 20:00 MST ON AUG 7	926 ON AUG 8	10.0 B ON DEC 6	4 580 000	1976
1977	1 030 AT 18:00 MST ON MAY 6	889 ON MAY 7	10.2 B ON JAN 3	3 910 000	1977
1978	750 AT 02:30 MST ON JUL 12	646 ON JUL 12	8.95B ON FEB 6	2 450 000	1978
1979	605 AT 18:00 MST ON MAY 27	585 ON JUN 4	6.46B ON DEC 2	2 760 000	1979
1980	1 220 AT 06:30 MST ON JUN 5	1 100 ON JUN 5	5.92B ON JAN 26	3 360 000	1980
1981	512 AT 15:30 MST ON MAY 27	505 ON MAY 27	9.70B ON DEC 31	2 370 000	1981
1982	6 300 AT 23:00 MST ON JUL 15 *	3 630 A ON JUL 16	7.61B ON MAR 1	4 230 000	1982
				3 370 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	0.569	1.98	3.09	2.85	0.787	1.38	---	---	1.77	1954
1955	---	---	---	---	1.12	1.69	1.92	2.13	1.10	0.898	---	---	1.48	1955
1956	---	---	---	---	0.682	2.33	2.13	1.61	1.04	1.24	---	---	1.50	1956
1957	---	---	---	---	0.912	2.16	1.93	2.12	1.08	0.903	---	---	1.52	1957
1958	---	---	---	---	0.850	2.89	1.81	1.92	0.702	0.722	---	---	1.48	1958
1959	---	---	---	---	0.249	1.60	1.63	1.98	1.13	0.531	---	---	1.18	1959
1960	---	---	---	---	0.299	0.674	1.58	1.70	0.381	0.273	---	---	0.815	1960
1961	---	---	---	---	0.414	0.626	0.805	0.764	0.783	0.652	---	---	0.667	1961
1962	---	---	---	---	0.511	1.31	1.56	0.441	0.368	0.231	---	---	0.736	1962
1963	---	---	---	---	0.481	1.87	0.779	0.765	0.219	0.325	---	---	0.736	1963
1964	---	---	---	---	0.425	0.641	0.556	0.940	0.474	0.447	---	---	0.581	1964
1965	---	---	---	---	0.291	1.02	0.449	1.25	0.340	0.763	---	---	0.686	1965
1966	---	---	---	---	0.569	1.19	2.02	1.30	0.399	0.316	---	---	0.968	1966
1967	---	---	---	---	0.877	0.389	0.730	1.42	0.561	0.729	---	---	0.787	1967
1968	---	---	---	---	0.568	0.731	1.10	0.545	0.527	0.867	---	---	0.725	1968
1969	---	---	---	---	0.817	1.19	0.663	1.31	0.950	0.626	---	---	0.926	1969
1970	---	---	---	---	---	---	1.28	0.445	0.438	0.590	---	---	---	1970
1971	---	---	---	---	0.469	0.611	0.920	0.865	0.991	0.544	---	---	0.732	1971
1972	---	---	---	---	0.618	1.13	1.46	1.57	1.10	0.529	---	---	1.07	1972
1973	---	---	---	---	0.450	0.754	0.403	0.888	---	---	---	---	---	1973
1974	---	---	---	---	0.465	0.774	0.953	1.21	1.57	0.817	---	---	0.963	1974
1975	---	---	---	---	---	0.370	0.749	1.67	---	---	---	---	---	1975
1976	---	---	---	---	---	1.18	---	---	0.598	---	---	---	---	1976
1977	---	---	---	---	0.414	0.363	0.227	0.117	0.074	0.145	---	---	0.223	1977
1978	---	---	0.138	0.220	0.323	0.459	1.02	0.867	0.854	0.407	---	---	0.655	1978
1979	---	---	0.278	0.080	0.139	1.13	0.862	1.29	1.25	0.494	---	---	0.856	1979
1980	---	---	---	---	0.588	1.30	0.886	0.746	0.686	0.300	---	---	0.749	1980
1981	---	---	---	0.075R	0.304R	0.911R	1.32 R	1.07 R	0.910R	0.694R	---	---	0.869R	1981
1982	---	---	---	---	0.378	0.842	1.26	1.16	0.862	1.11	---	---	0.935	1982
MEAN	---	---	0.208	0.125R	0.530R	1.15 R	1.21 R	1.25 R	0.746R	0.634R	---	---	0.944	MEAN

LOCATION - LAT 50 47 45 N DRAINAGE AREA, 93.0 km²
LONG 111 46 55 W REGULATED

R - REVISED SINCE JAN 1980

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	8.10 AT 14:00 MST ON AUG 5	7.99 ON AUG 4	0 ON SEP 11 *	28 200	1954
1955	4.47 AT 08:00 MST ON JUL 8	3.88 ON JUL 2	0.028E ON MAY 1	23 500	1955
1956	17.0 E AT 08:00 MST ON AUG 3	10.6 E ON AUG 3 *	0.037 ON MAY 10	23 900	1956
1957	3.57 AT 19:00 MST ON JUL 13	3.51 A ON MAY 15	0.082A ON MAY 10	24 100	1957
1958	4.79 AT 10:00 MST ON JUN 29	4.62 ON JUN 29	0.040A ON MAY 10	23 500	1958
1959	6.31 AT 20:00 MST ON JUN 27	4.70 ON JUN 27	0.028 ON MAY 1	18 800	1959
1960	3.43 AT 01:00 MST ON JUL 5	3.20 ON JUL 5	0.057E ON MAY 1	13 000	1960
1961	3.37 AT 18:00 MST ON AUG 27	2.49 ON SEP 27	0.048 ON MAY 1	10 600	1961
1962	---	3.60 ON JUL 14	0.006 ON MAY 2	11 700	1962
1963	25.5 E AT 04:00 MST ON JUN 22 *	3.96 E ON JUN 22	0.031 ON MAY 3	11 700	1963
1964	---	2.66 ON JUN 17	0.065 ON JUL 3	9 240	1964
1965	---	4.19 ON JUN 26	0.028E ON MAY 1	10 900	1965
1966	3.62 AT 09:00 MST ON JUL 26	3.45 ON JUN 25	0.122 ON SEP 12	15 400	1966
1967	---	2.27 E ON MAY 1	0.057 ON JUN 24	12 500	1967
1968	3.28 AT 17:39 MST ON JUN 30	2.71 ON JUN 30	0.119 ON SEP 4	11 500	1968
1969	---	3.40 ON JUN 29	0.159 ON OCT 25	14 700	1969
1970	---	---	---	---	1970
1971	2.04 AT 20:00 MST ON JUL 14	2.01 ON JUL 14	0.133E ON OCT 31	1[illegible] 600	1971
1972	---	3.00 ON JUL 10	0.164E ON OCT 31	17 000	1972
1973	---	2.94 ON JUN 15	---	---	1973
1974	---	2.14 ON SEP 22	0.204 ON OCT 29	15 300	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	0.657 ON MAY 8	0.017E ON AUG 27	3 550	1977
1978	2.94 AT 11:40 MST ON JUL 22	2.51 ON JUL 24	0.025 ON JUN 21	10 400	1978
1979	---	6.32 ON JUN 20	0.047 ON MAY 25	13 600	1979
1980	4.88 AT 13:30 MST ON JUN 27	3.70 ON JUN 27	0.040 ON JUN 18	11 900	1980
1981	3.85 AT 04:00 MST ON JUL 5	2.10 R ON JUL 5	0.056R ON MAY 4	13 800R	1981
1982	---	3.99 ON JUL 2	0.029 ON MAY 3	14 900	1982
MEAN				15 000R	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)   E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

WASKANIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.346	2.53	8.76	9.85	3.20	5.95	2.34	1.33	---	---	---	1968
1969	---	---	0.200	16.1	7.79	1.93	1.77	0.866	2.53	1.80	---	---	---	1969
1970	---	---	0.442	6.80	12.4	2.28	1.33	0.809	0.422	0.507	0.381	0.320	---	1970
1971	0.280	0.207	0.150	11.6	7.05	23.8	35.9	5.00	3.49	6.65	4.09	2.15	8.41	1971
1972	0.664	0.188	0.237	10.9	21.9	14.9	5.19	2.54	1.05	2.26	1.57	0.836	5.19	1972
1973	0.606	0.511	0.555	14.1	20.0	8.86	2.05	2.87	1.89	3.05	1.67	0.920	4.76	1973
1974	0.645	0.495	0.496	28.0	20.7	2.23	1.07	0.466	0.689	0.623	0.330	0.310	5.35	1974
1975	0.367	0.354	0.409	3.43	7.86	3.27	3.89	0.966	0.576	0.579	0.730	0.432	1.92	1975
1976	0.411	0.439	0.305	15.0	6.69	9.80	5.30	21.0	11.1	2.04	1.33	0.840	6.19	1976
1977	0.688	0.747	0.603	13.2	29.1	13.1	16.9	6.30	4.99	4.64	1.05	0.668	7.72	1977
1978	0.520	0.569	0.631	7.17	13.2	26.4	4.81	2.39	11.5	4.10	1.85	0.902	6.16	1978
1979	0.430	0.397	0.549	4.75	25.6	28.9	22.2	3.32	0.878	0.914	0.768	0.605	7.45	1979
1980	0.544	0.398	0.346	8.38	8.21	23.1	10.2	2.93	5.84	2.41	0.698	0.335	5.26	1980
1981	0.594	0.575	1.06	9.60	10.5	9.86	2.77	2.06	0.396	0.455	0.636	0.226	3.23	1981
1982	0.099	0.245	0.637	1.64	27.1	3.80	18.8	15.6	3.38	2.00	1.15	0.476	6.33	1982
MEAN	0.487	0.427	0.464	10.2	15.7	12.1	9.03	4.88	3.38	2.25	1.25	0.688	5.67	MEAN

LOCATION - LAT 58 45 03 N DRAINAGE AREA, 1 090 km²
LONG 117 12 20 W NATURAL FLOW

WASKANIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	45.0 AT 01:30 MST ON JUN 14	39.9 ON JUN 14	---	---	1968
1969	---	36.5B ON APR 16	---	---	1969
1970	32.6 AT 10:00 MST ON MAY 11	31.7 ON MAY 11	---	---	1970
1971	161 AT 15:00 MST ON JUL 12	151 ON JUL 12 *	0.085B ON MAR 23	2[illegible]5 000	1971
1972	100 AT 13:30 MST ON JUN 26	90.6 ON JUN 26	0.085B ON FEB 27	1[illegible]4 000	1972
1973	51.3 AT 10:00 MST ON APR 29	49.3 ON APR 29	0.396B ON FEB 13	150 000	1973
1974	92.6 AT 12:30 MST ON APR 26	92.3 ON APR 26	0.212B ON DEC 6	169 000	1974
1975	26.5 AT 20:00 MST ON JUN 29	22.5 ON JUN 30	0.317B ON FEB 9	60 500	1975
1976	68.0 AT 06:00 MST ON AUG 17	64.8 ON AUG 17	0.215B ON MAR 8	196 000	1976
1977	104 AT 19:30 MST ON MAY 6	87.8 ON MAY 7	0.442B ON MAR 29	243 000	1977
1978	171 AT 14:00 MST ON JUN 15	149 ON JUN 15	0.425B ON MAR 5	194 000	1978
1979	174 AT 19:30 MST ON JUN 14 *	129 ON JUN 16	0.390B ON FEB 11	236 000	1979
1980	108 AT 04:00 MST ON JUN 6	104 ON JUN 6	0.150B ON MAR 20	166 000	1980
1981	35.8 AT 01:30 MST ON JUN 2	33.5 ON JUN 2	0.120B ON DEC 31	102 000	1981
1982	142 AT 10:30 MST ON JUL 16	121 ON JUL 16	0.050B ON JAN 23 *	200 000	1982
MEAN				179 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.002	0	---	---	---	1966
1967	---	---	0	0.239	1.45	0.028	0	0	0	0	---	---	0.216	1967
1968	---	---	0.776	0.130	0.011	0	0.002	0	0	0	---	---	0.116	1968
1969	---	---	0	2.10	0.145	0.006	0	0.015	0	0	---	---	0.278	1969
1970	---	---	0	1.84	0.080	0.001	0.017	0.337	0.107	0.060	---	---	0.301	1970
1971	---	---	0.012	7.60	0.615	0.205	4.07	0.637	0.130	0.033	---	---	1.65	1971
1972	---	---	0	6.37	1.96	0.130	0.012	0.007	0	0.004	---	---	1.05	1972
1973	---	---	0.012	0.108	0.038	0.213	0.076	0.071	0.043	0.036	---	---	0.074	1973
1974	---	---	0	8.38	2.10	0.160	0.172	0.017	0.021	0.018	---	---	1.34	1974
1975	---	---	0	0.636	0.271	0.036	0.208	0.126	0.839	0.126	---	---	0.278	1975
1976	---	---	0.002	1.53	0.047	0.010	0.048	0.080	0.006	0	---	---	0.211	1976
1977	---	---	0	1.67	0.217	0.314	0.034	0.171	0.177	0.372	---	---	0.365	1977
1978	---	---	0.045	3.71	0.282	1.42	0.232	0.068	0.909	0.715	---	---	0.910	1978
1979	---	---	0.001	5.82	2.48	0.196	0.522	0.318	0.119	0.020	---	---	1.17	1979
1980	---	---	0	1.08	0.073	0.125	0.056	0.179	0.386	0.560	---	---	0.305	1980
1981	---	---	0.627	4.43	0.245	0.009	0	0	0	0	---	---	0.653	1981
1982	---	---	0	0.689	0.232	0.037	0.023	0.006	0	0	---	---	0.122	1982
MEAN	---	---	0.092	2.90	0.640	0.181	0.342	0.127	0.161	0.114	---	---	0.565	MEAN

LOCATION - LAT 54 07 23 N DRAINAGE AREA, 312 km²
LONG 112 46 58 W NATURAL FLOW

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 2 *	---	1966
1967	---	5.44 ON MAY 4	0 B ON MAR 1	4 570	1967
1968	---	1.76 B ON MAR 6	0 ON MAY 3	2 450	1968
1969	6.74 AT 05:00 MST ON APR 15	6.65 ON APR 15	0 B ON MAR 1	5 880	1969
1970	4.76 AT 08:09 MST ON APR 15	4.59 ON APR 18	0 B ON MAR 1	6 380	1970
1971	45.3 AT 14:30 MST ON APR 22 *	44.2 ON APR 22 *	0.005 ON OCT 14	35 000	1971
1972	25.8 AT 16:30 MST ON APR 17	17.4 ON APR 18	0 B ON MAR 1	22 200	1972
1973	3.14 AT 14:00 MST ON JUN 26	0.937 ON JUN 26	0 B ON MAR 1	1 570	1973
1974	34.0 AT 05:00 MST ON APR 21	32.8 ON APR 20	0 B ON MAR 1	28 300	1974
1975	3.06 B AT 19:30 MST ON APR 22	2.67 B ON APR 23	0 B ON MAR 1	5 870	1975
1976	3.54 AT 16:30 MST ON APR 10	3.51 ON APR 10	0 B ON MAR 1	4 460	1976
1977	5.83 B AT 13:30 MST ON APR 10	5.75 B ON APR 10	0 B ON MAR 1	7 730	1977
1978	8.01 B AT 13:50 MST ON APR 8	7.53 B ON APR 8	0 B ON MAR 1	19 300	1978
1979	24.8 AT 01:10 MST ON APR 26	24.2 ON APR 26	0 B ON MAR 1	24 900	1979
1980	---	3.72 B ON APR 14	0 B ON MAR 1	6 450	1980
1981	16.0 AT 02:50 MST ON APR 2	15.2 B ON APR 2	0 B ON MAR 1	13 900	1981
1982	2.58 AT 02:00 MST ON APR 22	2.28 ON APR 22	0 B ON MAR 1	2 590	1982
MEAN				12 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	0	0	0	0	2.22	6.22	4.71	1.47	0.348	0.333	0.340	0.026	1.31	1968
1969	0	0	0	0	0	0	0	3.93	17.2	0.355	0	0	1.78	1969
1970	0	0	0	0	0	10.9	14.2	13.8	0	0	0	0	3.27	1970
1971	0	0	0	0.002	0	0.999	12.5	19.5	6.68	0	0	0	3.35	1971
1972	0	0	0	0	0	0	12.8	0.510	9.21	9.67	4.13	0	3.04	1972
1973	0	0	0	0	19.3	22.5	18.9	14.3	2.95	0.357	0	0	6.59	1973
1974	0	0	0	0	0	0	0.412	3.96	3.83	13.9	0	0	1.87	1974
1975	0	0	0	0	0	0	1.53	14.4	13.0	9.37	6.20	0	3.72	1975
1976	---	---	---	0	0	9.38	12.9	1.15	1.98	4.70	---	---	---	1976
1977	0	0	0	5.12	88.6	36.4	10.9	14.0	17.1	7.83	0	0	11.0	1977
1978	0	0	0	0	7.26	0	0	1.10	0	0	0	0	0.710	1978
1979	0	0	0	0	0	10.4	29.7	10.0	7.28	4.25	0	0	5.19	1979
1980	0	0	0	9.97	33.0	8.46	11.7	11.2	12.3	10.6	0	0	8.14	1980
1981	0	0	5.58	8.84	13.0	13.6	28.7	17.0	12.4	23.1	0.411	0	10.3	1981
1982	0	0	0	0	20.9	9.08	14.7	22.5	9.08	3.86	0	0	6.75	1982
MEAN	0	0	0.399	1.60	9.09	8.53	11.6	9.92	7.56	5.89	0.792	0.002	4.79	MEAN

LOCATION - LAT 49 19 20 N
LONG 113 38 10 W REGULATED SINCE 1968

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	16.2 ON AUG 13	0 ON JAN 1 *	41 300	1968
1969	---	29.2 ON AUG 29	0 ON JAN 1	56 200	1969
1970	---	29.2 ON JUN 10	0 ON JAN 1	103 000	1970
1971	---	29.4 ON AUG 19	0 ON JAN 1	105 000	1971
1972	---	26.0 ON OCT 21	0 ON JAN 1	96 100	1972
1973	---	35.7 ON JUN 11	0E ON JAN 1	208 000	1973
1974	---	31.1 ON OCT 17	0E ON JAN 1	59 000	1974
1975	---	25.2 ON NOV 1	0 ON JAN 1	117 000	1975
1976	---	27.3 ON JUN 22	0 ON APR 1	---	1976
1977	---	43.3 ON MAY 3	0 ON JAN 1	349 000	1977
1978	---	15.9 ON MAY 8	0 ON JAN 1	22 400	1978
1979	---	31.1 ON JUL 4	0E ON JAN 1	164 000	1979
1980	---	46.3 ON MAY 22 *	0E ON JAN 1	258 000	1980
1981	---	42.0 ON JUL 17	0E ON JAN 1	325 000	1981
1982	---	32.2 ON MAY 14	0E ON JAN 1	213 000	1982
MEAN				151 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	9.35	7.12	8.74	7.71	---	1966
1967	6.66	5.78	6.48	10.2	86.8	151	61.6	10.0	8.61	6.86	10.3	5.02	10.3	1967
1968	5.08	6.08	8.74	9.16	46.7	88.4	29.5	16.9	28.9	27.5	23.3	20.1	25.5	1968
1969	14.5	7.16	5.28	11.8	82.7	108	14.1	6.14	3.26	2.40	5.86	2.13	21.7	1969
1970	3.27	2.55	3.88	7.87	70.7	109	17.1	5.56	5.91	5.12	5.85	4.89	20.1	1970
1971	2.61	6.96	4.76	13.6	85.1	87.5	11.6	9.69	4.86	11.6	8.59	4.88	22.7	1971
1972	4.11	3.50	20.7	22.4	78.1	124	90.8	25.3	12.8	10.9	7.92	5.22	29.6	1972
1973	4.73	4.53	4.66	7.65	23.9	12.5	10.8	2.37	3.33	3.38	10.7	7.67	9.61	1973
1974	9.72	4.90	8.16	17.1	58.9	128	47.8	18.2	7.88	3.53	3.16	3.81	25.5	1974
1975	4.00	3.00	2.55	12.2	74.4	190	65.7	4.91	2.21	6.00	18.1	13.3	12.8	1975
1976	7.28	5.13	7.89	20.2	73.3	49.8	15.3	26.0	11.5	7.50	4.66	3.01	20.8	1976
1977	2.05	3.13	3.88	3.89	4.28	2.89	1.90	1.79	1.63	1.70	1.53	1.88	2.19	1977
1978	3.55	3.74	3.37	2.25	58.0	76.6	49.5	14.0	25.4	15.4	8.10	4.80	21.0	1978
1979	2.61	2.78	10.4	11.5	61.8	50.2	3.78	3.99	3.76	5.80	3.94	3.65	13.2	1979
1980	3.57	2.06	2.29	3.61	88.7	67.2	3.81	2.18	2.37	8.38	19.1	12.5	14.3	1980
1981	15.7	10.3	5.12	2.41	87.9	61.2	16.7	2.28	2.11	2.25	4.08	2.21	17.7	1981
1982	2.14	2.09	2.22	2.81	33.7	79.5	23.6	2.56	1.95	2.24	5.88	1.99	13.7	1982
MEAN	5.48	4.67	6.15	9.79	59.4	87.1	29.1	9.49	7.46	7.37	8.29	6.08	20.0	MEAN

LOCATION - LAT 49 25 41 N, LONG 113 29 22 W — DRAINAGE AREA, 1 600 km^2 — REGULATED SINCE 1966

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966				---	1966
1967	208 AT 01:00 MST ON JUN 5	205 ON JUN 5	3.91 B ON DEC 9	955 000	1967
1968	188 AT 18:55 MST ON JUN 8	112 ON JUN 8	3.09 ON APR 11	807 000	1968
1969	254 AT 20:10 MST ON JUN 28	212 ON JUN 29	3.98 B ON DEC 7	747 000	1969
1970	283 AT 15:10 MST ON JUN 15	270 ON JUN 15	1.85 ON OCT 25	633 000	1970
1971	150 AT 05:10 MST ON MAY 10	168 ON MAY 11	3.63 B ON JAN 15	715 000	1971
1972	221 AT 05:50 MST ON JUN 1	209 ON JUN 1	3.17 B ON JAN 1	937 000	1972
1973	58.1 AT 20:10 MST ON MAY 22	58.1 ON MAY 22	3.42 ON AUG 26	304 000	1973
1974	218 AT 00:40 MST ON JUN 19	212 ON JUN 19	0.850B ON NOV 14 *	805 000	1974
1975	762 AT 21:30 MST ON JUN 20 *	660 ON JUN 20 *	3.27 ON SEP 16	1 040 000	1975
1976	111 AT 11:20 MST ON MAY 15	111 ON MAY 15	3.61 B ON MAR 24	657 000	1976
1977		7.90 ON MAY 2	3.28 B ON JAN 1	69 200	1977
1978	132 AT 17:05 MST ON JUN 10	131 ON JUN 10	3.50 B ON JAN 1	663 000	1978
1979	169 AT 18:25 MST ON MAY 28	181 ON MAY 29	3.55 B ON DEC 13	418 000	1979
1980	251 AT 04:20 MST ON MAY 26	283 ON MAY 26	3.33 ON MAY 19	451 000	1980
1981	279 AT 17:50 MST ON MAY 22	267 ON MAY 23	3.08 ON OCT 25	559 000	1981
1982	169 AT 21:00 MST ON JUN 17	117 ON JUN 18	3.60 B ON APR 7	367 000	1982
MEAN				633 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	29.4	28.5	11.6	1.28	1.26	10.4	1.55	1.33	---	1947
1948	0.904	0.568	0.481	3.17	25.6	35.5	8.39	4.01	1.73	1.09	0.776	0.652	6.90	1948
1949	0.604	0.600	0.659	5.16	25.1	21.7	7.79	2.98	2.51	2.29	4.48	2.92	6.85	1949
1950	1.19	1.09	1.25	2.14	15.1	40.0	25.9	5.07	2.03	7.86	5.33	4.05	9.28	1950
1951	2.04	2.23	1.06	4.41	25.9	26.4	24.0	4.98	6.51	4.59	1.91	1.56	9.13	1951
1952	0.805	0.609	0.886	4.92	26.0	21.4	8.57	3.35	1.47	0.810	0.968	0.800	5.98	1952
1953	1.67	1.32	0.733	3.23	17.8	36.5	21.8	4.54	1.88	0.933	1.75	1.18	7.78	1953
1954	0.706	0.696	0.770	1.86	25.2	12.0	10.6	6.91	4.50	5.64	1.86	1.07	9.62	1954
1955	0.905	0.596	0.455	1.11	9.35	35.9	18.1	3.73	1.68	7.77	4.10	1.78	7.14	1955
1956	1.10	0.672	0.830	4.09	25.8	34.0	15.1	3.59	1.96	3.41	1.98	1.16	7.79	1956
1957	0.724	0.670	0.892	2.13	33.0	27.3	6.92	2.19	1.32	---	---	---	---	1957
1958	---	---	---	---	---	21.8	5.30	2.36	2.69	4.29	2.54	---	---	1958
1959	---	---	---	---	---	41.1	10.2	4.29	8.14	8.07	3.03	1.91	---	1959
1960	---	---	---	---	---	30.6	16.1	3.39	2.11	1.78	1.77	1.17	---	1960
1961	0.978	---	---	---	---	40.0	8.98	2.73	1.89	4.20	1.64	0.966	---	1961
1962	0.780	---	---	---	---	26.3	8.96	3.20	1.95	1.64	1.96	2.90	---	1962
1963	---	---	---	---	---	31.5	13.1	2.91	1.85	1.28	1.80	1.07	---	1963
1964	---	---	---	---	---	49.1	17.5	2.88	2.95	---	---	---	---	1964
MEAN	1.01	0.901	0.756	1.68	23.2	32.2	14.7	3.69	2.81	4.55	2.66	1.66	7.78	MEAN

LOCATION - LAT 48 57 20 N, LONG 113 54 00 W — DRAINAGE AREA, 160 km^2 — NATURAL FLOW — INTERNATIONAL GAUGING STATION

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	37.7 ON JUN 26	---	---	1947
1948	71.1 AT 01:00 MST ON MAY 21	62.9 ON MAY 23	0.311B ON APR 4	218 000	1948
1949	53.5 AT 05:00 MST ON MAY 28	43.3 ON MAY 28	0.481A ON FEB 19	201 000	1949
1950	72.5 AT 13:30 MST ON JUN 22	69.7 ON JUN 22	0.787 ON MAR 29	293 000	1950
1951	62.0 AT 03:00 MST ON JUN 16	50.0 ON JUN 15	0.850B ON DEC 11	288 000	1951
1952	43.0 AT 02:00 MST ON JUN 6	38.2 ON MAY 20	0.326 ON DEC 10	188 000	1952
1953	71.4 AT 12:00 MST ON JUN 13	68.2 ON JUN 13	0.255B ON JAN 7 *	245 000	1953
1954	76.7 AT 03:00 MST ON MAY 20	68.2 ON MAY 20	0.425B ON JAN 22	303 000	1954
1955	64.0 AT 00:00 MST ON JUN 24	61.2 ON JUN 23	0.340B ON MAR 21	225 000	1955
1956	66.8 AT 03:00 MST ON JUN 2	61.7 ON MAY 21	0.453B ON FEB 17	246 000	1956
1957	53.0 AT 03:00 MST ON JUN 6	49.8 ON JUN 6			1957
1958	52.4 AT 05:00 MST ON MAY 24	49.3 ON MAY 24			1958
1959	67.7 AT 01:00 MST ON JUN 6	61.4 ON JUN 6			1959
1960	57.2 AT 01:00 MST ON JUN 17	50.1 ON JUN 1			1960
1961	71.6 AT 09:00 MST ON MAY 27	67.1 ON MAY 27			1961
1962	80.8 AT 04:15 MST ON JUN 18	36.8 ON JUN 18			1962
1963	52.1 AT 12:00 MST ON JUN 10	47.0 ON JUN 10			1963
1964	351 AT 05:00 MST ON JUN 8 *	206 ON JUN 8 *			1964
				245 000	MEAN

A MANUAL GAUGE (SEE REFERENCE INDEX) B ICE CONDITIONS * EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915											10.7	8.57		1915
1916	5.61	19.1	18.8	22.2	48.4	117	81.2	22.1	18.1	8.76	9.44	6.21	11.2	1916
1917	4.52	3.82	3.37	11.6	68.9	110	55.2	12.7	6.46	4.91				1917
1918						72.8	20.7	11.7	11.9	8.89	5.44	3.18		1918
1919	2.53	4.29	3.17	11.8	56.0	50.8	21.3	8.68	4.61	3.52	4.33	4.11	14.1	1919
1920	5.29	5.81	6.19	11.4	59.1	87.1	54.0	11.2	8.19	10.7	6.13	5.17	22.5	1920
1921	1.77	5.80	8.75	22.0	72.1	102	61.2	12.5	7.76	9.62	7.58	5.10	20.9	1921
1922	6.50	3.10	3.40	12.6	71.5	103	32.3	10.5	6.22	5.40	7.10	3.16	22.0	1922
1923	4.26	3.02	4.09	13.7	68.9	151	36.2	18.2	10.8	9.76	7.29	5.07	27.7	1923
1924	4.18	5.67	6.71	11.5	62.2	102	34.4	20.4	7.81	6.56				1924
1925			11.0	16.2	89.5	88.2	34.6	11.0	15.5	21.8				1925
1926			5.31	24.9	36.6	29.2	16.4	6.70	26.7	18.5				1926
1927			7.13	23.5	97.6	170	82.7	27.6	50.1	18.5				1927
1928				18.6	99.6	105	77.1	19.6	13.2	22.3				1928
1929			4.28	13.6	68.6	86.4	29.9	8.95	5.94	7.70				1929
1930			6.28	16.4	68.8	69.1	26.8	10.3	7.77	7.55				1930
1931			3.29	6.32										1931
1935				11.2	66.7	68.9	32.2	10.8	6.80	5.11				1935
1936			6.68	17.5	70.8	56.1		6.08	5.16	5.11				1936
1937			4.56	7.52	52.2	125	25.2	9.67	5.61	6.67				1937
1938			4.06	19.4	80.7	101	34.4	10.6	6.50	5.46				1938
1939			4.41	16.8	55.8	46.4	19.7	6.29	4.16	7.29				1939
1940			8.31	12.4	50.7	46.7	17.2	8.16	7.72	10.7				1940
1941			3.92	11.1	62.7	39.4	22.9	7.92	12.5	19.0				1941
1942			4.15	21.6	71.7	118	58.8	22.7	19.1	18.6				1942
1943			10.5	47.0	60.6	99.5	66.4	16.1	7.61	4.71				1943
1944			2.95	5.98	35.5	50.7	19.5	8.78	6.12	5.47				1944
1945			5.46	5.60	62.3	120	32.2	8.41	8.05	9.46				1945
1946			5.01	17.2	72.4	81.8	30.7	9.12	10.7	11.0				1946
1947			11.0	24.3	81.7	78.7	35.8	12.0	15.8	10.9				1947
1948				24.2	109	192	40.8	22.5	7.59	5.58	4.23	3.59		1948
1949	2.77	2.44	4.37	12.5	72.1	66.5	29.6	16.3	10.6	8.95	9.16	11.9	20.7	1949
1950	5.16	6.28	7.62	21.9	58.2	123	70.7	20.4	8.13	16.2	26.5	13.2	11.5	1950
1951	8.36	6.61	9.44	37.0	117	128	118	51.9	11.9	57.2	17.5	9.87	52.7	1951
1952	5.65	7.49	10.9	82.9	73.2	60.1	36.7	23.0	9.23	5.27	2.78	2.68	21.8	1952
1953	3.79	4.05	7.54	21.0	79.6	158	61.5	18.7	8.24	4.84	5.33	4.09	11.5	1953
1954	3.60	6.18	5.66	15.2	90.1	101	88.6	21.5	19.6	20.6	11.1	10.1	11.1	1954
1955	7.18	4.24	4.46	19.3	56.8	115	59.5	18.6	5.87	16.2	15.0	5.41	27.0	1955
1956	6.77	3.09	10.2	22.4	87.7	99.8	51.4	18.8	7.08	7.15	5.80	5.76	26.9	1956
1957	3.98	3.98	8.29	8.48	106	80.7	20.2	8.92	6.79	11.0	15.5	7.06	21.8	1957
1958	5.56	2.97	8.10	26.4	98.1	89.1	29.2	10.5	7.17	8.54	7.84	7.72	25.0	1958
1959	8.13	6.08	9.89	23.5	69.0	118	52.5	11.6	18.1	24.9	14.8	7.26	10.5	1959
1960	4.75	4.99	13.3	21.8	51.7	78.3	36.8	13.7	5.81	3.62	3.86	3.18	20.1	1960
1961	3.88	4.11	5.38	9.27	81.3	122	26.2	8.55	7.90	17.3	12.9	5.87	25.0	1961
1962	3.79	6.01	7.12	28.6	89.0	73.5	26.7	18.8	7.68	8.81	9.03	6.87	19.8	1962
1963	5.18	8.68	5.82	8.39	97.7	98.5	86.0	9.91	5.78	8.91	4.78	4.38	20.8	1963
1964	3.09	2.57	3.26	6.69	76.3	184	57.8	10.3	8.93	15.8	7.27	4.38	11.1	1964
1965	4.15	3.16	3.38	13.7	17.5	111	62.3	18.3	13.2	11.7	19.0	9.54	26.1	1965
1966	6.93	6.93	7.65	11.8	60.5	110	67.2	15.5	10.0					1966
MEAN	4.82	5.42	6.75	18.4	68.5	98.5	41.3	16.6	11.8	12.8	9.91	6.12	26.7	MEAN

LOCATION LAT 49 30 07 N LONG 113 19 34 W DRAINAGE AREA 1 730 km^2 REGULATED

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	297 ON JUN 22	4.25 B ON JAN 26	1 050 000	1916
1917	---	189 ON JUN 11	---	---	1917
1918	---	122 ON JUN 13	---	---	1918
1919	---	116 ON MAY 28	1.76 B ON JAN 24	463 000	1919
1920	---	133 ON JUN 17	1.78 B ON DEC 8	711 000	1920
1921	---	136 ON JUN 9	2.78 B ON JAN 14	785 000	1921
1922	---	175 ON JUN 5	1.76 B ON DEC 6	695 000	1922
1923	---	309 ON JUN 2	2.66 B ON FEB 15	874 000	1923
1924	---	164 ON JUN 16	---	---	1924
1925	---	163 ON MAY 22	---	---	1925
1926	---	84.6 ON OCT 19	---	---	1926
1927	---	263 ON JUN 18	---	---	1927
1928	---	283 ON JUL 2	---	---	1928
1929	---	161 ON MAY 25	---	---	1929
1930	---	95.1 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	102 ON MAY 25	---	---	1935
1936	---	122 ON MAY 16	---	---	1936
1937	---	360 ON JUN 13	---	---	1937
1938	---	185 ON MAY 26	---	---	1938
1939	---	67.4 ON MAY 20	---	---	1939
1940	---	67.4 ON MAY 27	---	---	1940
1941	---	55.8 ON JUN 2	---	---	1941
1942	---	667 ON JUN 6	---	---	1942
1943	---	139 ON MAY 31	---	---	1943
1944	---	73.6 ON JUN 17	---	---	1944
1945	---	190 ON JUN 7	---	---	1945
1946	---	120 ON MAY 28	---	---	1946
1947	---	117 ON MAY 10	---	---	1947
1948	---	317 ON JUN 17	---	---	1948
1949	---	117 ON MAY 31	2.01 B ON FEB 18	652 000	1949
1950	---	189 ON JUN 21	4.13 B ON JAN 30	994 000	1950
1951	---	294 ON JUN 25	3.60 B ON MAR 11	1 660 000	1951
1952	---	108 ON MAY 21	0.708B ON DEC 28	738 000	1952
1953	---	382 ON JUN 4	1.27 B ON JAN 10	994 000	1953
1954	---	202 ON MAY 22	1.36 B ON JAN 23	1 050 000	1954
1955	---	178 ON MAY 19	2.61 B ON DEC 15	851 000	1955
1956	---	180 ON MAY 23	2.69 B ON FEB 19	851 000	1956
1957	---	168 ON MAY 21	3.11 B ON FEB 23	739 000	1957
1958	---	139 ON MAY 27	1.73 B ON FEB 14	790 000	1958
1959	---	171 ON JUN 7	2.06 B ON DEC 9	964 000	1959
1960	---	120 ON JUN 4	2.01 B ON JAN 14	636 000	1960
1961	---	203 ON MAY 27	1.84 B ON DEC 11	801 000	1961
1962	---	121 ON JUN 16	0.991B ON JAN 16	625 000	1962
1963	---	160 ON JUN 12	1.93 B ON DEC 30	657 000	1963
1964	---	467 ON JUN 10 *	1.59 B ON FEB 8	983 000	1964
1965	---	266 ON JUN 26	0.040B ON MAR 19 *	824 000	1965
1966	---	202 ON JUN 5	---	---	1966
				843 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	171	52.5	13.7	6.65	---	---	---	---	1908
1909	---	---	---	---	43.2	133	60.6	22.2	8.91	6.27	---	---	---	1909
1910	---	---	---	31.3	60.8	51.6	23.6	9.84	17.7	30.1	20.7	---	---	1910
1911	---	---	---	---	47.7	88.0	32.2	21.1	35.6	12.9	---	---	---	1911
1912	6.95	6.13	2.20	10.3	42.8	49.4	38.1	12.8	7.66	9.36	10.5	5.13	16.5	1912
1913	3.39	2.89	3.38	11.6	44.7	95.8	32.1	18.1	7.74	10.9	9.42	5.08	20.4	1913
1914	4.56	3.81	3.71	17.3	54.2	56.5	25.6	12.2	11.2	24.2	15.2	5.70	19.6	1914
1915	3.14	2.58	2.60	15.5	38.8	48.5	27.8	14.0	14.4	15.3	10.9	5.57	16.6	1915
1916	3.48	4.94	7.81	12.7	36.0	104	69.1	19.4	15.2	5.44	4.45	2.76	23.8	1916
1917	3.48	2.53	2.22	3.27	52.1	88.7	49.6	9.63	5.20	4.01	3.33	4.23	19.1	1917
1918	11.0	4.58	3.86	14.2	33.0	69.9	18.0	9.62	7.31	6.79	5.37	2.96	15.5	1918
1919	3.74	3.81	3.08	10.1	50.9	50.0	15.3	5.94	3.52	2.93	2.81	3.27	13.0	1919
1920	3.28	3.61	2.76	4.57	35.3	78.8	50.0	11.0	7.63	9.63	5.77	4.81	18.1	1920
1921	3.39	4.28	5.82	15.0	63.2	94.8	38.6	10.4	6.39	7.03	5.89	5.39	21.4	1921
1922	4.35	2.97	2.39	4.57	54.5	88.0	25.7	7.93	4.91	4.89	5.56	2.75	17.4	1922
1923	3.47	2.51	2.79	8.94	50.7	90.8	25.4	10.5	7.06	7.19	6.30	4.50	18.4	1923
1924	3.53	4.12	4.29	5.58	57.6	78.4	25.1	11.5	6.21	5.88	6.59	10.2	18.3	1924
1925	6.21	5.47	5.39	19.4	62.8	71.6	24.7	10.3	9.57	9.94	6.61	4.94	19.7	1925
1926	3.57	3.63	3.39	20.1	30.0	19.1	12.6	6.02	16.2	24.8	8.80	5.31	12.8	1926
1927	4.18	3.41	3.05	9.00	52.8	120	58.4	18.7	24.2	19.9	12.1	7.03	27.7	1927
1928	4.01	3.36	5.10	8.76	81.5	69.5	54.2	11.4	7.62	13.0	8.65	3.47	22.6	1928
1929	2.61	2.30	2.46	5.27	49.6	65.0	22.4	7.38	4.08	5.22	2.95	2.25	14.3	1929
1930	2.19	3.93	3.67	26.7	55.0	55.3	23.4	7.37	4.85	4.54	3.95	2.80	16.2	1930
1931	1.86	2.27	2.38	5.32	47.4	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	5.10	---	---	---	---	1932
1933	---	---	---	---	---	102	42.6	11.5	---	---	---	---	---	1933
1948	---	---	---	9.30	69.0	111	23.0	13.0	4.33	2.85	2.35	1.98	---	1948
1949	2.22	2.23	3.13	9.97	58.3	50.9	18.2	7.92	5.81	5.76	8.84	9.61	15.3	1949
1950	5.13	3.67	3.97	7.04	39.0	99.0	59.0	13.9	5.57	12.9	16.4	12.2	23.2	1950
1951	8.09	8.62	4.61	14.2	73.4	72.7	64.0	17.0	23.6	26.7	7.89	6.15	27.4	1951
1952	4.53	3.32	2.79	19.6	53.9	44.7	24.0	12.6	5.32	2.91	1.68	1.29	14.7	1952
1953	4.50	4.37	3.41	9.37	51.1	111	50.6	12.2	5.85	3.00	4.16	3.85	22.0	1953
1954	2.99	4.34	3.66	7.23	62.5	76.3	66.8	17.5	15.0	16.6	10.9	6.41	24.3	1954
1955	3.71	2.57	2.43	4.17	26.3	90.1	46.6	11.1	4.66	12.1	11.4	4.93	18.4	1955
1956	3.75	2.44	3.19	12.4	61.0	77.1	37.4	11.1	5.41	6.66	5.39	4.06	19.2	1956
1957	2.62	2.67	3.34	4.34	84.3	63.2	17.4	5.90	3.66	6.99	9.03	3.58	17.3	1957
1958	3.24	2.79	4.92	8.47	71.3	59.3	19.6	7.50	4.57	7.05	7.06	6.37	16.9	1958
1959	7.06	4.82	3.25	13.1	41.9	93.7	40.5	10.6	16.4	20.7	13.4	8.03	22.8	1959
1960	4.44	3.27	4.21	15.8	33.4	70.7	30.6	9.86	4.91	3.26	3.52	3.65	15.6	1960
1961	2.74	3.81	3.95	7.79	52.1	88.6	20.0	7.22	6.03	12.8	6.74	3.98	18.0	1961
1962	3.39	4.38	3.49	18.1	40.2	60.1	21.1	8.53	5.87	6.96	8.16	7.59	15.7	1962
1963	4.26	6.65	4.12	7.74	39.9	80.4	35.6	8.15	4.44	3.30	3.56	3.53	16.8	1963
1964	2.85	2.37	2.05	4.63	45.6	141	40.2	9.37	7.34	12.0	6.04	4.13	23.1	1964
1965	3.64	3.53	3.58	9.50	44.6	97.2	42.3	13.1	10.2	11.7	7.01	5.15	21.0	1965
1966	4.36	2.80	3.22	14.7	49.9	74.5	30.4	10.6	7.16	5.68	7.68	5.74	18.1	1966
1967	4.36	4.41	3.24	4.97	47.6	100	47.6	11.1	4.58	3.46	6.23	4.53	20.2	1967
1968	3.94	4.97	6.62	6.42	41.1	72.0	29.6	12.0	17.4	18.4	9.85	5.42	19.0	1968
1969	4.24	3.10	2.93	17.9	52.5	71.3	31.2	7.10	3.74	5.44	5.19	3.06	17.4	1969
1970	2.73	2.44	2.55	3.48	54.0	104	24.0	7.19	4.85	5.01	3.69	4.18	18.2	1970
1971	3.24	5.02	3.44	9.97	68.1	79.9	45.1	14.9	6.09	6.92	6.03	3.76	21.1	1971
1972	3.59	3.23	10.3	12.5	58.0	100	43.7	21.2	12.7	10.2	5.59	3.25	24.2	1972
1973	4.34	3.07	2.60	5.70	42.2	54.1	18.0	6.62	4.51	4.02	11.6	6.39	13.6	1973
1974	4.41	5.52	4.28	11.3	42.8	113	53.2	15.9	7.04	3.71	3.36	3.26	22.7	1974
1975	2.46	2.40	2.26	2.58	38.1	137	63.9	14.9	9.84	9.24	10.6	12.3	25.5	1975
1976	5.54	4.37	3.61	12.2	60.9	50.2	41.8	20.2	8.00	3.60	2.77	2.12	18.0	1976
1977	2.08	1.81	1.85	8.26	31.7	29.2	9.10	9.22	10.8	5.86	4.16	4.75	9.93	1977
1978	3.04	2.24	2.43	10.3	47.5	70.4	37.9	12.1	14.2	6.81	5.10	2.68	17.9	1978
1979	2.59	2.63	3.21	5.51	48.2	56.7	19.5	6.43	4.16	2.18	2.09	2.84	13.0	1979
1980	2.92	2.55	2.67	17.0	71.1	56.0	13.9	7.73	9.43	6.86	7.91	7.41	17.1	1980
1981	10.1	4.73	5.17	11.7	73.6	59.5	33.7	10.2	4.25	3.13	3.02	2.96	18.6	1981
1982	2.49	3.59	3.73	4.39	35.8	84.7	40.1	11.5	5.30	5.36	4.39	3.80	17.1	1982
MEAN	4.11	3.66	3.64	10.7	51.0	80.3	35.3	11.7	8.78	9.13	7.07	4.86	18.8	MEAN

LOCATION - LAT 49 06 50 N LONG 113 50 20 W

DRAINAGE AREA, 614 km²
NATURAL FLOW

INTERNATIONAL GAUGING STATION

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	680 E ON JUN 6 *	---	---	1908
1909	---	182 ON JUN 3	---	---	1909
1910	---	83.0 ON JUN 1	---	---	1910
1911	---	116 ON JUN 15	---	---	1911
1912	---	71.9 ON MAY 18	2.04 ON MAR 9	521 000	1912
1913	---	147 ON MAY 29	2.46 B ON FEB 10	645 000	1913
1914	---	82.4 ON JUN 4	2.63 B ON DEC 20	617 000	1914
1915	---	60.6 ON JUN 6	2.10 ON JAN 13	525 000	1915
1916	---	206 ON JUN 19	1.19 B ON DEC 1	751 000	1916
1917	---	130 ON MAY 26	2.15 ON MAR 15	603 000	1917
1918	---	127 ON JUN 13	2.15 ON DEC 19	490 000	1918
1919	---	116 ON MAY 24	1.93 ON JAN 10	410 000	1919
1920	---	130 ON JUN 17	2.12 ON MAR 11	572 000	1920
1921	---	133 ON MAY 28	1.81 B ON JAN 12	675 000	1921
1922	---	144 ON JUN 5	2.04 B ON MAR 31	549 000	1922
1923	---	155 ON JUN 2	2.10 B ON FEB 16	579 000	1923
1924	---	121 ON JUN 14	3.37 ON JAN 8	577 000	1924
1925	---	114 ON MAY 23	3.96 ON DEC 31	622 000	1925
1926	---	50.1 ON OCT 19	3.00 ON MAR 11	404 000	1926
1927	---	165 ON JUN 10	2.83 B ON MAR 26	874 000	1927
1928	---	131 ON MAY 26	2.78 B ON DEC 31	715 000	1928
1929	---	115 ON MAY 25	2.12 B ON NOV 21	453 000	1929
1930	---	79.9 ON MAY 22	2.12 B ON JAN 9	509 000	1930
1931	---	68.0 ON MAY 19	1.73 B ON JAN 21	---	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1948	---	171 ON JUN 18	---	---	1948
1949	94.0 AT 20:00 MST ON MAY 17	93.4 ON MAY 17	1.73 ON FEB 9	483 000	1949
1950	148 AT 12:00 MST ON JUN 22	146 ON JUN 22	3.11 B ON MAR 30	732 000	1950
1951	123 AT 15:00 MST ON JUN 16	121 ON JUN 16	3.62 A ON MAR 24	863 000	1951
1952	73.1 AT 10:00 MST ON MAY 21	72.2 ON MAY 21	0.943A ON DEC 1	466 000	1952
1953	214 AT 21:00 MST ON JUN 4	200 ON JUN 4	1.10 B ON JAN 6	693 000	1953
1954	150 AT 12:00 MST ON MAY 21	150 ON MAY 21	1.81 B ON DEC 28	767 000	1954
1955	127 AT 06:00 MST ON JUN 25	126 ON JUN 25	0.878B ON MAR 27 *	580 000	1955
1956	138 AT 23:00 MST ON MAY 22	138 ON MAY 22	2.27 B ON FEB 14	606 000	1956
1957	113 AT 15:00 MST ON MAY 15	111 ON MAY 8	1.70 ON DEC 23	547 000	1957
1958	107 AT 08:00 MST ON MAY 25	106 ON MAY 25	1.93 ON JAN 12	534 000	1958
1959	141 AT 21:00 MST ON JUN 6	137 ON JUN 6	2.92 ON MAR 30	719 000	1959
1960	111 AT 20:00 MST ON JUN 4	108 ON JUN 4	2.63 ON OCT 17	494 000	1960
1961	150 AT 23:30 MST ON MAY 27	144 ON MAY 27	2.00 ON NOV 22	569 000	1961
1962	77.3 AT 17:00 MST ON JUN 14	75.9 ON JUN 18	1.57 ON JAN 23	495 000	1962
1963	131 AT 08:00 MST ON JUN 11	128 ON JUN 11	2.32 ON NOV 28	530 000	1963
1964	728 AT 04:00 MST ON JUN 9 *	643 ON JUN 9	1.83 B ON MAR 24	729 000	1964
1965	159 AT 21:30 MST ON JUN 19	155 ON JUN 19	2.70 ON JAN 1	663 000	1965
1966	116 AT 07:00 MST ON JUN 1	114 ON JUN 1	2.34 ON FEB 27	571 000	1966
1967	136 AT 08:30 MST ON MAY 24	133 ON MAY 24	2.92 ON MAR 15	638 000	1967
1968	99.1 AT 16:30 MST ON JUN 4	97.1 ON JUN 4	3.26 B ON JAN 7	600 000	1968
1969	118 AT 08:30 MST ON JUN 8	116 ON JUN 8	1.65 ON DEC 6	548 000	1969
1970	179 AT 08:00 MST ON JUN 14	176 ON JUN 14	2.31 ON MAR 21	574 000	1970
1971	121 AT 06:00 MST ON MAY 29	119 ON MAY 29	2.18 B ON JAN 11	666 000	1971
1972	169 AT 13:30 MST ON JUN 2	167 ON JUN 2	2.51 B ON DEC 8	765 000	1972
1973	102 AT 09:45 MST ON MAY 20	101 ON MAY 20	2.34 ON MAR 21	429 000	1973
1974	182 AT 14:40 MST ON JUN 18	181 ON JUN 18	2.08 B ON DEC 19	717 000	1974
1975	501 AT 11:55 MST ON JUN 20	467 ON JUN 20	1.57 ON APR 3	804 000	1975
1976	104 AT 04:40 MST ON MAY 12	101 ON MAY 12	1.76 ON DEC 23	569 000	1976
1977	51.3 AT 14:15 MST ON JUN 9	50.4 ON JUN 9	1.49 ON FEB 27	313 000	1977
1978	117 AT 00:10 MST ON JUN 10	113 ON JUN 9	1.82 ON MAR 5	565 000	1978
1979	111 AT 23:25 MST ON MAY 27	109 ON MAY 27	1.64 A ON NOV 19	411 000	1979
1980	155 AT 08:35 MST ON MAY 27	150 ON MAY 27	2.30 A ON FEB 18	541 000	1980
1981	157 AT 20:25 MST ON MAY 23	153 ON MAY 23	2.50 A ON DEC 1	586 000	1981
1982	114 AT 02:50 MST ON JUN 17	113 ON JUN 17	2.19 B ON JAN 22	541 000	1982
				592 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.069	0.035	0.036	---	---	---	1976
1977	---	---	0.030	0.224	0.290	0.061	0.044	0.069	0.067	0.043	---	---	0.103	1977
1978	---	---	0.142	0.287	0.197	0.151	0.094	0.057	0.139	0.069	---	---	0.161	1978
1979	---	---	0.110	0.345	0.171	0.104	0.052	0.020	0.018	0.026	---	---	0.105	1979
1980	---	---	0	0.475	0.070	0.525	0.557	0.193	0.221	0.197	---	---	0.278	1980
1981	---	---	0.243	0.208	0.511	0.181	0.384	0.158	0.083	0.063	---	---	0.230	1981
1982	---	---	0.030	0.609	0.110	0.170	0.760	0.084	0.074	0.101	---	---	0.242	1982
MEAN	---	---	0.093	0.358	0.225	0.199	0.315	0.093	0.091	0.077	---	---	0.183	MEAN

LOCATION - LAT 52 38 13 N   LONG 114 35 59 W   DRAINAGE AREA, 53.6 km^2 NATURAL FLOW

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.68B AT 18:00 MST ON APR 5	1.53 B ON APR 5	0.010 ON JUL 4	2 190	1977
1978	1.14B AT 14:30 MST ON MAR 28	0.934B ON MAR 29	0.004B ON MAR 1	2 990	1978
1979	1.37 AT 15:00 MST ON APR 23	1.25 ON APR 23	0 B ON MAR 1 *	2 230	1979
1980	6.32 AT 00:30 MST ON JUL 15 *	4.37 ON JUL 15	0 B ON MAR 1	5 890	1980
1981	3.70 AT 09:58 MST ON MAY 7	3.42 ON MAY 7	0.005B ON MAR 1	4 880	1981
1982	5.15 AT 09:02 MST ON JUL 5	4.65 ON JUL 5 *	0 B ON MAR 1	5 120	1982
				3 880	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BN014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.895	0.045	0.031	0.025	---	---	---	1965
1966	---	---	---	0.165	0.090	0.106	0.739	0.085	0.045	0.072	---	---	---	1966
1967	---	---	5.91	1.12	1.39	0.282	0.011	0.004	0.010	0.013	---	---	1.10	1967
1968	---	---	0.154	0.095	0.043	0.042	0.019	0.022	0.082	0.138	---	---	0.074	1968
1969	---	---	0.468	7.41	0.444	0.138	0.127	0.013	0.027	0.042	---	---	1.07	1969
1970	---	---	1.31	0.539	0.110	0.537	0.180	0.008	0.022	0.056	---	---	0.380	1970
1971	---	---	2.40	10.0	0.215	0.199	0.027	0.005	0.011	0.022	---	---	1.59	1971
1972	---	---	4.05	0.477	0.068	0.036	0.022	0.006	0.005	0.022	---	---	0.591	1972
1973	---	---	3.50	0.353	0.050	0.033	0.004	0	0.001	0.006	---	---	0.498	1973
1974	---	---	1.76	3.49	0.039	0.063	0.009	0	0	0.010	---	---	0.766	1974
1975	---	---	0.013	2.83	0.517	0.095	0.021	0.001	0	0.004	---	---	0.428	1975
1976	---	---	3.01	0.651	0.031	0.005	0	0.001	0	0	---	---	0.466	1976
1977	---	---	0.052	0.019	0.006	0.001	0	0	0	0	---	---	0.010	1977
1978	---	---	0.175	0.433	0.077	0.035	0.001	0	0.002	0.005	---	---	0.090	1978
1979	---	---	2.39	0.262	0.110	0.004	0	0	0	0	---	---	0.348	1979
1980	---	---	0.055	3.98	0.180	0.225	0.005	0	0	0.003	---	---	0.546	1980
1981	---	---	0.131	0.041	0.107	0.038	0.029	0.018	0	0.009	---	---	0.047	1981
1982	---	---	0.207	0.251	0.037	0.014	0.009	0	0	0.003	---	---	0.065	1982
MEAN	---	---	1.60	1.89	0.254	0.109	0.114	0.012	0.013	0.024	---	---	0.502	MEAN

LOCATION - LAT 50 45 50 N   DRAINAGE AREA, 775 km^2
LONG 113 14 00 W   NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BN014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	71.9 AT 06:00 MST ON MAR 23	58.9 ON MAR 24	0.003 ON JUL 29	23 300	1967
1968	0.654 AT 17:20 MST ON SEP 23	0.391 ON SEP 24	0.011 ON JUL 9	1 570	1968
1969	---	37.1 ON APR 5	0 B ON MAR 1 *	22 600	1969
1970	---	4.30 B ON MAR 24	0.003 ON AUG 19	7 190	1970
1971	81.6 AT 08:00 MST ON APR 7 *	64.8 ON APR 7 *	0.001 ON AUG 20	33 600	1971
1972	---	42.8 B ON MAR 18	0 B ON MAR 1	12 500	1972
1973	11.4 B AT 22:30 MST ON MAR 21	9.60 B ON MAR 21	0 ON JUL 28	10 500	1973
1974	---	21.0 B ON APR 1	0 ON AUG 1	16 200	1974
1975	15.2 B AT 20:00 MST ON APR 13	13.1 B ON APR 16	0 B ON MAR 6	9 050	1975
1976	14.5 B AT 00:00 MST ON MAR 19	12.9 B ON MAR 18	0 B ON MAR 3	9 860	1976
1977	---	0.065B ON MAR 5	0 ON JUN 12	207	1977
1978	3.68 AT 13:00 MST ON MAR 31	2.42 ON APR 1	0 B ON MAR 1	1 910	1978
1979	9.58 B AT 10:30 MST ON MAR 11	8.70 B ON MAR 11	0 B ON MAR 1	7 370	1979
1980	13.5 AT 18:00 MST ON APR 9	11.8 ON APR 9	0 B ON MAR 5	11 500	1980
1981	0.730 AT 00:50 MST ON JUN 1	0.278 ON JUN 1	0 ON AUG 28	991	1981
1982	1.05 AT 18:14 MST ON APR 12	0.836 ON APR 12	0 B ON MAR 1	1 380	1982
				10 600	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	9.31	7.88	8.67	2.99	1.70	1.25	---	---	---	1921
1922	---	---	---	---	15.6	2.14	0.679	0.327	0.132	0.145	---	---	---	1922
1923	---	---	---	5.66	5.59	3.47	12.1	1.39	0.521	0.409	---	---	---	1923
1924	---	---	---	0.340	3.68	1.21	3.93	13.8	10.8	8.22	---	---	---	1924
1925	---	---	---	---	8.47	7.14	2.83	4.65	4.63	3.58	---	---	---	1925
1926	---	---	---	17.1	12.1	31.1	3.25	2.80	18.6	7.34	---	---	---	1926
1927	---	---	---	7.55	14.4	30.8	26.5	3.85	3.09	3.50	---	---	---	1927
1928	---	---	0.361	12.1	16.6	8.69	4.50	2.29	2.23	2.76	---	---	---	1928
1929	---	---	---	20.6	16.9	4.55	12.4	7.12	7.30	3.76	---	---	---	1929
1930	---	---	---	5.93	18.7	47.8	5.88	1.24	1.01	0.908	---	---	---	1930
1959	---	---	0.196	3.02	3.77	2.07	0.575	1.06	0.741	0.609	---	---	---	1959
1960	---	---	0.398	6.30	12.4	11.9	2.08	0.238	0.103	0.032	---	---	---	1960
1961	---	---	0.362	1.88	6.28	1.22	14.4	0.614	0.093	0.140	---	---	---	1961
1962	---	---	0	30.6	26.6	9.29	1.70	1.99	1.27	0.398	---	---	---	1962
1963	---	---	0.100	26.5	18.1	2.16	0.394	0.361	0.354	0.322	---	---	---	1963
1964	---	---	0.052	12.0	26.2	3.30	17.5	29.6	6.69	3.24	---	---	---	1964
1965	---	---	0.193	40.6	30.4	20.9	10.6	5.70	3.75	1.84	---	---	---	1965
1966	---	---	0.188	21.7	17.5	3.33	1.30	2.77	2.43	0.508	---	---	---	1966
1967	---	---	0.086	3.23	23.5	4.23	0.463	0.151	0.019	0.019	---	---	---	1967
1968	---	---	0.828	1.44	4.87	8.36	3.36	1.34	0.466	0.260	---	---	---	1968
1969	---	---	0.031	12.3	5.19	1.00	0.123	0.071	3.81	1.91	---	---	---	1969
1970	---	---	0.123	19.9	18.2	7.81R	5.02 R	2.95	0.852	0.902	0.507	0.155	---	1970
1971	0.107	0.074	0.033	26.0	7.39	23.3	29.2	1.68	0.632	0.687	0.241	0.200	7.47	1971
1972	0.117	0.108	0.337	9.02	14.2	7.30	4.17	2.55	1.16	1.14	0.799	0.289	3.44	1972
1973	0.226	0.161	0.206	19.8	18.1	18.9	2.91	5.48	1.84	2.66	1.59	0.439	6.03	1973
1974	0.232	0.232	0.214	40.9	33.9	2.93	7.08	0.760	0.934	0.816	0.497	0.276	7.42	1974
1975	0.179	0.091	0.088	5.08	8.08	12.6	9.75	1.50	5.42	1.15	1.04	0.449	3.79	1975
1976	0.200	0.184	0.172	28.5	9.40	24.9	13.5	34.6	9.48	2.51	1.05	0.376	10.4	1976
1977	0.306	0.417	0.460	24.1	33.3	17.5	14.8	1.73	2.13	0.850	0.533	0.171	8.06	1977
1978	0.079	0.077	0.366	9.49	12.8	22.3	2.10	0.702	10.7	2.89	1.47	0.711	5.29	1978
1979	0.237	0.081	0.239	10.9	35.0	28.9	27.8	1.61	0.374	0.255	0.219	0.079	8.87	1979
1980	0.059	0.030	0.065	7.41	7.92	10.4	6.81	2.32	4.20	1.98	0.710	0.117	3.50	1980
1981	0.150	0.151	0.603	10.2	8.74	5.07	1.31	0.215	0.060	0.102	0.097	0.027	2.23	1981
1982	0.001	0	0	1.03	11.2	1.18	5.82	21.3	1.74	0.674	0.140	0.053	3.65	1982
MEAN	0.158	0.134	0.228	14.2	15.1	11.6 R	7.75 R	4.76	3.21	1.70	0.684	0.257	5.85	MEAN

LOCATION - LAT 55 26 50 N   DRAINAGE AREA, 1 160 km²
LONG 116 29 30 W   NATURAL FLOW

R - REVISED SINCE JAN 1980

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	26.3 ON MAY 30	---	---	1921
1922	---	47.6 ON MAY 10	---	---	1922
1923	---	41.1 ON JUL 7	0 B ON APR 1 *	---	1923
1924	---	48.4 ON AUG 30	0 B ON APR 1	---	1924
1925	---	---	---	---	1925
1926	---	129 ON JUN 12	---	---	1926
1927	116 AT 16:00 MST ON JUN 25	116 ON JUN 25	---	---	1927
1928	---	66.8 B ON APR 25	0 B ON MAR 1	---	1928
1929	---	112 ON JUL 22	---	---	1929
1930	---	110 ON JUN 2	---	---	1930
1959	5.78 AT 09:15 MST ON MAY 14	5.61 ON MAY 14	0 B ON MAR 1	---	1959
1960	48.7 AT 08:00 MST ON MAY 15	43.3 ON MAY 15	0 B ON MAR 1	---	1960
1961	53.8 AT 10:00 MST ON JUL 3	51.5 ON JUL 2	0 B ON MAR 1	---	1961
1962	---	69.4 ON APR 26	0 B ON MAR 1	---	1962
1963	---	70.8 ON APR 26	---	---	1963
1964	---	113 ON JUL 18	---	---	1964
1965	---	178 ON JUN 29	---	---	1965
1966	---	53.0 B ON APR 7	---	---	1966
1967	---	58.3 ON MAY 8	---	---	1967
1968	---	43.9 ON JUN 14	---	---	1968
1969	---	37.4 B ON APR 15	---	---	1969
1970	---	62.6 ON APR 26	---	---	1970
1971	---	183 ON JUL 5 *	0 B ON MAR 3	236 000	1971
1972	80.1 AT 00:30 MST ON APR 30	61.4 ON APR 30	0.096B ON JAN 14	109 000	1972
1973	127 AT 21:00 MST ON JUN 17	95.4 ON JUN 17	0.113B ON FEB 17	190 000	1973
1974	163 AT 13:00 MST ON APR 27	151 ON APR 27	0.170B ON JAN 15	234 000	1974
1975	143 AT 18:30 MST ON JUN 29	132 ON JUN 29	0.062B ON FEB 13	120 000	1975
1976	---	151 ON JUN 28	0.113B ON JAN 7	329 000	1976
1977	144 AT 03:30 MST ON MAY 13	121 ON MAY 13	0.113B ON DEC 31	254 000	1977
1978	142 AT 23:30 MST ON JUN 15	120 ON JUN 16	0.057B ON FEB 2	167 000	1978
1979	194 AT 21:30 MST ON JUN 15 *	176 ON JUN 15	0.034 ON OCT 17	280 000	1979
1980	57.9 AT 07:00 MST ON MAY 29	53.9 ON MAY 29	0 B ON FEB 21	111 000	1980
1981	29.1 AT 20:00 MST ON APR 25	26.4 ON APR 26	0.006B ON DEC 31	70 200	1981
1982	167 AT 10:30 MST ON AUG 4	164 E ON AUG 4	0 B ON JAN 11	115 000	1982
MEAN				185 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	0.353	0.128	0.277	0.005	---	---	1965
1966	---	---	---	---	0.141	0.427	0.558	---	---	---	---	---	---	1966
1967	---	---	---	---	0.047	0.345	0.407	0.538	0.159	0.266	---	---	---	1967
1968	---	---	---	---	0.298	0.682	---	---	---	---	---	---	---	1968
MEAN	---	---	---	---	0.162	0.485	0.483	0.446	0.144	0.272	0.005	---	---	MEAN

LOCATION - LAT 50 13 21 N
LONG 112 00 32 W REGULATED

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON NOV 16 *	---	1965
1966	---	---	0 ON NOV 6	---	1966
1967	-	1.38 ON AUG 9 *	0E ON MAY 1	---	1967
1968	---	---	---	---	1968
				---	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.001	0	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.001	0.001	0	0	0	0	0	0	1965
1966	0	0	0	0	0	0.006	0	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.010	0.010	0	0	0	0	0	0	0.002	1967
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	1968
1969	0	0	0	0.006	0.004	0.011	0.013	0	0	0	0	0	0.003	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.001	0.003	0.005	0.002	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 29 N DRAINAGE AREA, 1.37 km^2
LONG 114 03 59 W NATURAL FLOW

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.006E ON MAY 1	0 ON JAN 1 *	2.59	1964
1965	0.015 AT 19:00 MST ON APR 1	0.009 ON JUN 18	0 ON JAN 1	5.19	1965
1966	---	0.020E ON JUN 6	0 ON JAN 1	16.9	1966
1967	0.045 AT 02:00 MST ON MAY 22	0.040 ON MAY 21	0 ON JAN 1	53.9	1967
1968	0 AT 09:00 MST ON APR 13	0 ON JAN 1	0 ON JAN 1	0	1968
1969	0.074 AT 14:00 MST ON JUN 26 *	0.068 ON JUN 26 *	0 ON JAN 1	89.3	1969
1970	---	---	0 ON JAN 8	---	1970
				28.0	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	0	0	0	0	---	1964
1965	0	0	0	0	0.001	0.001	0.003	0	0	0	0	0	0	1965
1966	0	0	0	0	0.001	0.004	0.001	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.004	0.006	0.001	0	0	0	0	0	0.001	1967
1968	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.004	0.003	0.002	0.005	0.001	0	0	0	0	0.001	1969
1970	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0	0	1970
1971	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0	0	1971
1972	0	0	0	0.001	0.005	0.003	0.001	0	0	0	0	0	0.001	1972
1973	0	0	0	0.001	0.003	0.002	0.001	0	0	0	0	0	0.001	1973
1974	0	0	0	0	0.004	0.003	0.001	0	0	0	0	0	0.001	1974
1975	0	0	0	0	0.005	0.004	0.002	0.001	0	0	0	0	0.001	1975
1976	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0	0	0	0.001	1976
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.005	0.001	0.001	0	0	0	0	0.001	1978
1979	0	0	0	0	0.004	0.001	0	0	0	0	0	0	0.001	1979
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	1980
198'	0	0	0	0	0.003	0.004	0.001	0.001	0	0	0	0	0.001	1981
1982	0	0	0	0	0	0.001	0.002	0	0	0	0	0	0	1982
MEAN	0	0	0	0	0.002	0.002	0.001	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 20 N
LONG 114 04 04 W NATURAL FLOW

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 28 *	---	1964
1965	---	0.005E ON JUL 2	0E ON JAN 1	13.7	1965
1966	---	0.008 ON JUN 8	0E ON JAN 1	18.1	1966
1967	---	0.011E ON MAY 31	0E ON JAN 1	31.2	1967
1968	---	0.002 ON OCT 22	0E ON JAN 1	10.8	1968
1969	---	0.014E ON JUN 30 *	0E ON JAN 1	41.9	1969
1970	---	0.003 ON JUN 16	0 ON JAN 1	13.8	1970
1971	0.002 AT 09:30 MST ON JUN 17	0.002 ON JUN 9	0 ON JAN 1	8.99	1971
1972	0.006 AT 03:00 MST ON MAY 29	0.006 ON MAY 28	0 ON JAN 1	23.9	1972
1973	0.004 AT 21:30 MST ON MAY 27	0.004 ON MAY 27	0E ON JAN 1	17.3	1973
1974	0.010 AT 00:00 MST ON MAY 25	0.010 ON MAY 25	0 ON JAN 1	21.0	1974
1975	0.008 AT 12:00 MST ON MAY 14	0.008 ON MAY 14	0 ON JAN 1	31.5	1975
1976	0.002 AT 17:30 MST ON MAY 19	0.002 ON MAY 9	0 ON JAN 1	16.1	1976
1977	---	0 ON JAN 1	0 ON JAN 1	0	1977
1978	0.012 AT 18:00 MST ON JUN 2 *	0.012 ON JUN 1	0 ON JAN 1	32.6	1978
1979	---	0.007E ON MAY 17	0 ON JAN 1	17.8	1979
1980	0.001 AT 14:00 MST ON APR 19	0.001 ON APR 17	0 ON JAN 1	1.03	1980
1981	0.010 AT 09:15 MST ON MAY 23	0.009 ON MAY 20	0 ON JAN 1	24.1	1981
1982	0.002 AT 09:54 MST ON JUL 12	0.002 ON JUL 2	0 ON JAN 1	7.52	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18.4	MEAN

E - ESTIMATED

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	0	0	0	0	2.76	4.30	7.09	7.64	6.72	0.601	0	0	2.44	1978
1979	0	0	0	0	1.77	9.10	12.0	9.42	7.28	0.286	0	0	3.34	1979
MEAN	0	0	0	0	2.27	6.70	9.55	8.53	7.00	0.444	0	0	2.89	MEAN

LOCATION - LAT 51 00 34 N
LONG 113 47 33 W REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	8.78 ON JUL 30	0 ON JAN 1 *	77 000	1978
1979	---	12.6 ON JUL 29 *	0 ON JAN 1	105 000	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 000	MEAN

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	0.050	4.66	6.01	7.82	5.93	4.98	0.202	0.351	---	3.77	1980
1981	---	---	---	0.320	3.01	4.30	5.33	5.16	5.59	1.30	0.070	---	3.14	1981
1982	---	---	---	---	2.51	7.56	6.46	8.22	4.78	1.29	---	---	---	1982
MEAN	---	---	---	0.185	3.39	5.96	6.54	6.44	5.12	0.931	0.211	---	3.46	MEAN

LOCATION - LAT 51 03 41 N
LONG 113 49 02 W REGULATED

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	10.1 ON JUL 18 *	0 ON APR 1 *	79 500	1980
1981	---	6.42 ON JUL 2	0 ON APR 1	66 400	1981
1982	---	---	---	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		73 000	MEAN

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	0	1.69	1.63	6.21	5.86	1.75	3.23	---	---	2.94	1908
1909	---	---	---	0	3.45	2.45	4.43	8.23	6.48	1.32	---	---	3.78	1909
1910	---	---	---	0.723	5.22	6.46	15.6	10.4	6.26	2.02	---	---	6.70	1910
1911	---	---	---	0.037	4.24	7.25	7.61	4.07	6.08	0	---	---	4.18	1911
1912	---	---	---	1.12	3.91	6.49	5.07	5.36	5.56	0	---	---	3.92	1912
1913	---	---	---	1.17	6.65	5.50	6.48	3.47	8.02	0.020	---	---	4.47	1913
1914	---	---	---	1.63	5.28	13.0	7.69	10.2	8.87	0	---	---	6.65	1914
1915	---	---	---	0	6.76	7.06	9.94	4.51	4.02	0	---	---	4.63	1915
1916	---	---	---	1.52	5.07	1.98	4.40	5.49	4.68	0	---	---	3.31	1916
1917	---	---	---	2.16	3.20	3.85	7.38	11.4	8.47	0	---	---	5.22	1917
1918	- -	---	---	1.21	4.91	14.9	23.2	15.6	10.7	3.92	---	---	10.7	1918
1919	---	---	---	1.40	2.78	15.2	30.3	10.7	7.34	0	---	---	9.71	1919
1920	---	---	---	0	1.01	8.59	9.57	11.9	12.6	0.074	---	---	6.24	1920
1921	---	---	---	1.40	6.48	24.6	30.3	12.8	13.8	0.064	---	---	12.8	1921
1922	---	---	---	0	7.88	34.3	28.2	19.9	13.6	2.01	---	---	15.1	1922
1923	---	---	---	0.905	8.36	4.48	7.82	7.29	8.70	0	---	---	5.37	1923
1924	---	---	---	0.091	9.63	13.5	19.1	10.2	12.0	3.64	---	---	9.75	1924
1925	---	---	---	0.711	8.71	7.70	9.49	10.3	8.90	1.20	---	---	6.73	1925
1926	---	---	---	0.167	10.9	14.9	17.8	9.95	4.71	0	---	---	8.36	1926
1927	---	---	---	0	0.841	4.70	5.15	6.73	6.30	0.054	---	---	3.39	1927
1928	---	---	---	0	9.01	8.61	4.89	6.66	8.61	0	---	---	5.39	1928
1929	---	---	---	0.991	7.24	13.3	30.0	16.7	14.6	1.93	---	---	12.1	1929
1930	---	---	---	0	6.60	20.3	24.8	19.3	16.5	9.11	---	---	13.8	1930
1931	---	---	---	2.01	16.9	20.2	11.2	19.2	11.7	0	---	---	11.6	1931
1932	---	---	---	0	2.66	7.71	13.7	14.5	10.0	0	---	---	6.96	1932
1933	---	---	---	0	2.35	22.9	26.9	17.6	13.9	2.26	---	---	12.3	1933
1934	---	---	---	0.809	17.1	15.4	19.6	19.5	16.9	3.62	---	---	13.3	1934
1935	---	---	---	0	6.77	13.7	15.2	13.5	12.2	0	---	---	8.77	1935
1936	---	---	---	0	4.30	12.4	33.1	17.5	22.9	0.494	---	---	13.0	1936
1937	---	---	---	0	7.61	22.6	31.9	18.5	17.8	2.58	---	---	14.4	1937
1938	---	---	---	0	4.73	20.1	24.1	14.6	16.7	0	---	---	11.5	1938
1939	---	---	---	0.200	14.7	12.3	13.6	17.9	14.3	0	---	---	10.4	1939
1940	---	---	---	0	4.05	16.5	20.7	13.9	9.21	0	---	---	9.21	1940
1941	---	---	---	3.83	5.80	14.8	23.4	12.5	9.03	0	---	---	9.93	1941
1942	---	---	---	1.98	10.5	13.4	8.60	10.3	9.97	0	---	---	7.81	1942
1943	---	---	---	1.71	4.82	10.8	15.2	14.4	12.8	3.69	---	---	9.07	1943
1944	---	---	---	1.36	12.5	13.6	16.5	11.9	13.1	1.19	---	---	10.0	1944
1945	---	---	---	0.078	7.09	11.2	12.2	13.7	12.0	1.80	---	---	8.30	1945
1946	---	---	---	1.14	10.7	15.3	12.3	14.0	11.4	0.375	---	---	9.30	1946
1947	---	---	---	0	9.32	13.0	17.9	12.7	9.52	1.78	---	---	9.20	1947
1948	---	---	---	0	0.098	4.77	15.4	12.3	9.93	1.31	---	---	6.28	1948
1949	---	---	---	2.24	13.8	22.0	17.0	13.4	14.5	4.10	---	---	12.4	1949
1950	---	---	---	0	5.99	22.3	12.8	7.59	9.29	1.89	---	---	8.52	1950
1951	---	---	---	0	1.75	7.17	6.63	6.92	5.70	0.263	---	---	4.06	1951
1952	---	---	---	0	6.94	7.81	5.97	6.55	7.78	1.68	---	---	5.25	1952
1953	---	---	---	0	3.22	2.82	4.78	7.99	7.94	1.89	---	---	4.10	1953
1954	---	---	---	0.028	3.85	7.58	13.1	8.18	5.00	0.037	---	---	5.42	1954
1955	---	---	---	0.138	1.65	9.89	8.60	9.95	8.38	0.576	---	---	5.59	1955
1956	---	---	---	0	3.39	12.0	9.29	8.36	6.99	0.492	---	---	5.78	1956
1957	---	---	---	0.001	7.98	13.4	10.6	9.01	7.53	1.10	---	---	7.09	1957
1958	---	---	---	0.007	11.0	11.4	9.38	9.52	9.20	0.569	---	---	7.30	1958
1959	---	---	---	2.22	7.35	12.3	9.78	8.94	8.72	1.33	---	---	7.22	1959
1960	---	---	---	1.27	3.77	12.8	11.0	9.42	8.97	0.167	---	---	6.76	1960
1961	---	---	---	1.56	8.19	17.1	15.5	10.7	11.7	0.267	---	---	9.28	1961
1962	---	---	---	1.36	9.87	15.4	16.4	13.3	11.8	2.98	---	---	10.2	1962
1963	---	---	---	1.32	12.4	16.7	8.40	11.3	11.8	4.25	0.012	---	9.44	1963
1964	---	---	---	0.256	7.62	15.5	12.3	14.5	12.1	3.12	---	---	9.35	1964
1965	---	---	---	0.071	8.05	11.3	5.12	8.38	6.96	0.964	---	---	5.84	1965
1966	---	---	---	0	6.55	10.1	12.3	7.81	7.51	1.75	---	---	6.59	1966
1967	---	---	---	0.239	2.30	4.95	12.3	14.9	11.3	2.40	---	---	6.93	1967
1968	---	---	---	0.967	11.6	11.4	9.99	9.04	8.11	0.793	---	---	7.42	1968
1969	---	---	---	0	5.45	15.3	7.51	9.71	6.39	0.147	---	---	6.35	1969
1970	---	---	---	0.006	5.83	11.0	9.39	10.4	11.2	1.76	---	---	7.08	1970
1971	---	---	---	0	6.30	9.62	11.6	12.2	9.76	0.605	0.030	---	7.18	1971
1972	---	---	---	0.645	9.62	13.0	9.89	10.3	8.33	0.066	---	---	7.41	1972
1973	---	---	---	0.127	8.72	12.2	11.2	11.2	8.62	0.072	---	---	7.45	1973
1974	---	---	---	0.231	2.22	9.70	12.2	12.6	9.37	0.109	---	---	6.63	1974
1975	---	---	---	0.022	5.19	11.4	13.2	12.7	10.8	0.217	---	---	7.64	1975
1976	---	---	---	2.87	10.8	15.3	14.5	13.2	14.7	0.471	---	---	10.2	1976
1977	---	---	---	1.38	12.0	15.5	14.2	11.9	8.43	0.267	---	---	9.12	1977
1978	---	---	---	0.042	6.22	7.79	13.5	12.9	7.42	0.048	0	---	6.88	1978
1979	---	---	---	0	4.49	16.1	18.2	14.7	10.8	0.236	0	---	9.23	1979
1980	---	---	---	0.033	10.8	13.4	15.7	12.8	10.3	0.537	0.033	---	9.10	1980
1981	---	---	---	2.13	7.99	10.4	10.7	9.32	9.66	0.408	0.025	---	7.22	1981
1982	---	---	---	0.033	6.02	16.7	13.1	15.6	8.49	0.627	0.010	---	8.65	1982
MEAN	---	---	---	0.634	6.81	12.3	13.8	11.5	9.97	1.12	0.016	---	8.02	MEAN

LOCATION - LAT 51 01 00 N
LONG 113 50 30 W   REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	11.7 ON JUL 3	0 ON APR 1 *	54 300	1908
1909	---	13.3 ON SEP 5	0 ON APR 1	69 800	1909
1910	---	18.5 ON JUL 16	0 ON APR 1	124 000	1910
1911	---	13.2 ON JUN 24	0 ON APR 1	77 400	1911
1912	---	10.9 ON JUN 26	0 ON APR 1	72 500	1912
1913	---	12.6 ON SEP 13	0 ON APR 1	82 700	1913
1914	---	23.5 ON JUN 8	0 ON APR 1	123 000	1914
1915	---	23.8 ON JUL 6	0 ON APR 1	85 500	1915
1916	---	10.9 ON AUG 24	0 ON APR 1	61 300	1916
1917	---	15.6 ON JUL 24	0 ON APR 1	96 500	1917
1918	---	31.4 ON JUN 22	0 ON APR 1	197 000	1918
1919	---	41.3 ON JUL 11	0 ON APR 1	179 000	1919
1920	---	15.6 ON JUL 4	0 ON APR 1	115 000	1920
1921	---	45.0 ON JUL 1	0 ON APR 1	236 000	1921
1922	---	42.8 ON JUN 28	0 ON APR 1	280 000	1922
1923	---	25.4 ON JUL 27	0 E ON APR 1	99 400	1923
1924	---	30.6 ON JUL 17	0 ON APR 1	180 000	1924
1925	---	17.0 ON OCT 21	0 ON APR 1	124 000	1925
1926	---	29.4 ON JUN 6	0 ON APR 1	154 000	1926
1927	---	20.9 ON SEP 23	0 ON APR 1	62 700	1927
1928	---	22.3 ON JUL 19	0 ON APR 1	99 600	1928
1929	---	43.0 ON JUL 6	0 ON APR 1	224 000	1929
1930	---	45.3 ON JUL 16 *	0 ON APR 1	256 000	1930
1931	---	41.9 ON JUN 2	0 ON APR 1	215 000	1931
1932	---	21.2 ON AUG 1	0 ON APR 1	129 000	1932
1933	---	36.5 ON JUN 23	0 ON APR 1	227 000	1933
1934	---	31.1 ON JUN 2	0 ON APR 1	246 000	1934
1935	---	23.7 ON JUL 17	0 E ON APR 1	162 000	1935
1936	---	39.1 ON JUL 15	0 ON APR 1	240 000	1936
1937	---	43.9 ON JUN 26	0 ON APR 1	267 000	1937
1938	---	32.8 ON JUL 1	0 ON APR 1	212 000	1938
1939	---	29.2 ON AUG 2	0 E ON APR 1	193 000	1939
1940	---	35.4 ON JUN 29	0 ON APR 1	170 000	1940
1941	---	37.9 ON APR 9	0 ON APR 1	184 000	1941
1942	---	19.1 ON APR 25	0 ON APR 1	144 000	1942
1943	---	19.0 ON JUL 11	0 ON APR 1	168 000	1943
1944	---	19.3 ON MAY 14	0 ON APR 1	185 000	1944
1945	---	21.4 ON OCT 3	0 ON APR 1	154 000	1945
1946	---	18.8 ON MAY 31	0 ON APR 1	172 000	1946
1947	---	25.1 ON JUL 17	0 ON APR 1	170 000	1947
1948	---	19.1 ON JUL 10	0 ON APR 1	116 000	1948
1949	---	27.9 ON JUN 25	0 ON APR 1	230 000	1949
1950	---	26.4 ON JUN 22	0 ON APR 1	157 000	1950
1951	---	9.43 ON JUN 4	0 ON APR 1	75 100	1951
1952	---	11.8 ON SEP 27	0 ON APR 1	97 000	1952
1953	---	10.2 ON AUG 14	0 ON APR 1	75 800	1953
1954	---	17.6 ON JUL 28	0 ON APR 1	100 000	1954
1955	---	16.1 ON JUN 29	0.065 ON MAY 9	103 000	1955
1956	---	16.9 ON JUN 15	0 ON APR 1	107 000	1956
1957	---	19.8 ON JUN 5	0 ON APR 1	131 000	1957
1958	---	18.6 ON MAY 28	0 E ON APR 1	135 000	1958
1959	---	16.4 E ON APR 24	0.113E ON APR 1	134 000	1959
1960	---	17.1 ON JUN 11	0 E ON APR 1	125 000	1960
1961	---	18.7 ON JUN 25	0.023 ON OCT 21	171 000	1961
1962	---	20.4 ON JUN 30	0.008 ON OCT 31	188 000	1962
1963	---	22.2 ON JUN 5	0 ON APR 1	175 000	1963
1964	---	25.8 ON JUN 6	0 ON APR 1	173 000	1964
1965	---	23.2 ON JUN 12	0 ON APR 1	108 000	1965
1966	---	14.4 E ON JUL 16	0 E ON APR 1	122 000	1966
1967	---	18.1 ON JUL 27	0.014E ON OCT 16	128 000	1967
1968	---	17.2 ON MAY 30	0 ON APR 1	137 000	1968
1969	---	23.6 ON JUN 6	0 ON APR 1	117 000	1969
1970	---	18.6 ON JUN 6	0 ON APR 1	131 000	1970
1971	---	19.2 ON MAY 5	0 ON APR 1	133 000	1971
1972	---	16.6 ON APR 30	0 ON APR 1	137 000	1972
1973	---	16.2 ON JUL 27	0.008 ON APR 22	138 000	1973
1974	---	16.7 ON JUN 23	0.001 ON OCT 21	122 000	1974
1975	---	17.5 ON AUG 9	0.001 ON APR 29	141 000	1975
1976	---	18.2 ON AUG 9	0 ON APR 1	189 000	1976
1977	---	17.3 ON JUL 5	0 ON APR 1	168 000	1977
1978	---	16.7 ON AUG 16	0 ON APR 1	127 000	1978
1979	---	21.0 ON JUL 2	0 ON APR 1	171 000	1979
1980	---	21.7 ON MAY 24	0 ON APR 1	168 000	1980
1981	---	16.4 ON MAY 2	0.123 ON APR 6	134 000	1981
1982	---	23.4 ON JUN 24	0 E ON APR 1	160 000	1982
				148 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	14.6	31.9	37.8	31.6	23.3	11.3	---	---	25.1	1966
1967	---	---	---	---	9.73	58.6	63.8	33.3	29.2	10.7	---	---	34.1	1967
1968	---	---	---	---	13.1	35.3	48.7	39.2	25.8	7.41	---	---	28.2	1968
1969	---	---	---	---	---	54.8	40.4	---	---	---	---	---	---	1969
1970	---	---	---	---	7.94	54.1	44.9	35.2	11.7	5.60	---	---	26.5	1970
1971	---	---	---	---	18.6	44.4	42.5	45.0	20.0	9.19	---	---	29.9	1971
1972	---	---	---	---	17.6	63.0	41.3	39.2	15.8	8.85	---	---	30.9	1972
1973	---	---	---	---	16.0	40.2	37.5	33.7	15.1	7.94	---	---	25.1	1973
1974	---	---	---	---	9.56	52.6	53.3	38.2	21.1	9.54	---	---	30.7	1974
1975	---	---	---	---	8.01	32.0	56.8	29.1	14.5	8.77	---	---	24.9	1975
1976	---	---	---	---	17.2	29.6	57.0	51.4	28.4	10.3	---	---	32.3	1976
1977	---	---	---	---	10.5	42.2	38.7	39.0	16.1	5.52	---	---	25.3	1977
1978	---	---	---	---	10.8	53.7	60.8	38.1	40.0	13.3	---	---	36.0	1978
1979	---	---	---	---	---	39.1	49.0	35.9	21.2	8.56	---	---	---	1979
1980	---	---	---	---	25.9	39.0	37.2	29.1	16.8	10.7	---	---	26.4	1980
1981	---	---	---	---	20.5	28.9	47.0	45.0	21.0	5.28	---	---	28.0	1981
1982	---	---	---	---	5.13	55.9	54.5	37.6	29.9	9.92	---	---	32.0	1982
MEAN	---	---	---	---	13.7	44.4	47.7	37.5	21.9	8.93	---	---	29.0	MEAN

LOCATION - LAT 52 43 29 N   DRAINAGE AREA, 598 km²
LONG 117 55 29 W   NATURAL FLOW

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	58.3 ON JUL 25	2.25E ON MAY 1	398 000	1966
1967	---	83.8 ON JUN 27	1.05 ON MAY 1 *	542 000	1967
1968	---	88.9 ON JUL 6	2.83E ON MAY 1	449 000	1968
1969	78.7 AT 17:00 MST ON JUN 4	73.6 ON JUN 5	---	---	1969
1970	77.0 AT 11:30 MST ON JUN 22	73.3 ON JUN 22	1.67 ON MAY 1	421 000	1970
1971	79.6 AT 00:00 MST ON JUN 24	70.8 ON JUN 24	4.25E ON OCT 31	476 000	1971
1972	108 E ON JUN 11	103 E ON JUN 11	1.82 ON MAY 1	491 000	1972
1973	97.1 AT 12:40 MST ON JUN 24	92.3 ON JUN 24	1.98E ON MAY 1	399 000	1973
1974	121 AT 07:30 MST ON JUN 23 *	114 ON JUN 23 *	6.37 ON MAY 18	487 000	1974
1975	88.3 AT 06:30 MST ON JUL 13	84.4 ON JUL 12	2.30 ON MAY 1	396 000	1975
1976	74.8 AT 09:30 MST ON JUL 9	71.6 ON JUL 9	4.84 ON MAY 1	515 000	1976
1977	81.3 AT 09:00 MST ON JUN 8	75.6 ON JUN 8	4.02 ON OCT 31	402 000	1977
1978	108 AT 20:15 MST ON SEP 3	91.7 ON SEP 4	5.21 ON MAY 7	572 000	1978
1979	72.2 AT 07:00 MST ON JUL 21	68.6 ON JUL 21	---	---	1979
1980	69.4 AT 09:25 MST ON JUN 17	66.1 ON JUN 17	4.84 ON OCT 31	420 000	1980
1981	68.9 AT 06:50 MST ON JUL 5	64.5 ON JUL 5	3.18E ON OCT 31	445 000	1981
1982	101 AT 09:50 MST ON JUN 22	98.5 ON JUN 22	1.40 ON MAY 1	510 000	1982
MEAN				462 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.078	0.092	0.014	0.028	0.012	---	---	---	1965
1966	---	---	---	0.008	0.088	0.060	0.030	0.042	0.016	0.009	---	---	0.041	1966
1967	---	---	---	0.001	0.027	0.068	0.012	0.004	0.002	0.001	0.001	0.001	0.019	1967
1968	0	---	---	---	---	0.006	0.006	0.006	0.003	0.003	0.003	---	---	1968
1969	---	---	---	---	0.015	0.013	0.032	0.054	0.011	0.007	0.006	0.003	0.022	1969
1970	---	---	0.001	0.002	0.016	0.018	0.008	0.003	0.001	0.001	---	---	0.008	1970
1971	---	---	---	---	0.014	0.063	0.073	0.006	0.003	0.003	---	---	0.027	1971
1972	---	---	0	0.003	0.032	0.043	0.021	0.009	0.010	0.022	0.008	0.002	0.023	1972
1973	---	---	---	---	0.064	0.037	0.009	0.004	0.002	0.004	0.003	0.001	0.020	1973
1974	---	---	---	---	---	0.016	0.012	0.005	0.005	0.002	0.001	0.001	---	1974
1975	---	---	---	---	0.007	0.010	0.009	0.001	0.001	0.001	0.001	---	0.005	1975
1976	---	---	---	---	0.006	0.004	0.003	0.012	0.003	0.002	0.001	0.001	0.005	1976
1977	---	---	---	---	0.071	0.038	0.034	0.028	0.039	0.025	---	---	0.039	1977
1978	---	---	---	---	0.037	0.065	0.037	0.013	0.018	0.006	---	---	0.029	1978
1979	---	---	---	---	---	---	---	0.008	0.004	0.004	---	---	---	1979
1980	---	---	---	---	0.013	0.121	0.044	0.020	0.021	0.010	---	---	0.038	1980
1981	---	---	---	---	0.036	0.029	0.021	0.012	0.005	0.003	---	---	0.018	1981
MEAN	0	---	0.001	0.004	0.033	0.042	0.028	0.014	0.010	0.007	0.003	0.002	0.023	MEAN

LOCATION - LAT 53 22 50 N   DRAINAGE AREA, 3.13 km²
LONG 117 32 15 W   NATURAL FLOW

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0.365 AT 15:00 MST ON JUL 8	0.241 ON JUL 11	---	---	1965
1966	0.385 AT 16:00 MST ON MAY 10	0.266 ON MAY 10	0.007 ON OCT 18	649	1966
1967	0.193 AT 08:00 MST ON JUN 8	0.159 ON JUN 9	0.001 ON SEP 14 *	299	1967
1968	---	0.018 ON JUN 29	0.002 ON SEP 25	---	1968
1969	0.578 AT 18:00 MST ON AUG 5	0.340 ON AUG 5	0.004 ON OCT 30	354	1969
1970	0.099 AT 22:50 MST ON JUN 15	0.062 ON JUN 16	0.001E ON AUG 22	124	1970
1971	0.246 AT 21:30 MST ON JUL 11	0.210 ON JUL 12	0.001 ON SEP 4	428	1971
1972	---	0.156 ON JUN 25	0.004 ON AUG 8	361	1972
1973	0.190 AT 20:15 MST ON MAY 27	0.167 ON MAY 28	0.001 ON SEP 4	318	1973
1974	---	---	---	---	1974
1975	0.074 AT 17:30 MST ON JUN 28	0.048 ON JUN 28	0.001 ON AUG 7	78.2	1975
1976	0.079 AT 14:30 MST ON AUG 16	0.062 ON AUG 16	0.001 ON JUL 23	80.5	1976
1977	0.286 AT 18:20 MST ON MAY 29	0.187 ON MAY 30	0.001 ON MAY 1	622	1977
1978	0.326 AT 12:30 MST ON JUL 11	0.178 ON JUL 11	0.004 ON OCT 17	464	1978
1979	---	---	---	---	1979
1980	0.619 AT 19:40 MST ON JUN 4 *	0.522 ON JUN 4 *	0.004E ON MAY 1	603	1980
1981	0.252 AT 18:50 MST ON MAY 22	0.129 ON MAY 23	0.001 ON MAY 2	278	1981
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		358	MEAN

E - ESTIMATED

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	0	0	---	---	---	1976
1978	---	---	0.067	0.022	0	0	0	0	0.395	0.041	---	---	0.065	1978
1979	---	---	0.621	0.393	0.078	0.001	0.003	0	0	0	---	---	0.137	1979
1980	---	---	0.001	0.404	0	0.086	0.017	0.125	0.134	0.003	---	---	0.095	1980
1981	---	---	0.199	0.014	0.002	0	0.038	0.062	0	0	---	---	0.040	1981
1982	---	---	0	0.893	0.029	0	0.416	0.003	0	0	---	---	0.166	1982
MEAN	---	---	0.178	0.345	0.022	0.017	0.095	0.038	0.088	0.007	---	---	0.101	MEAN

LOCATION - LAT 53 13 20 N DRAINAGE AREA, 63.7 km^2
LONG 113 41 23 W NATURAL FLOW

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON AUG 5 *	---	1976
1978	3.77 AT 17:30 MST ON SEP 18	3.23 ON SEP 18	0B ON MAR 1	1 380	1978
1979	3.60B AT 07:25 MST ON MAR 17	2.90 ON APR 19	0B ON MAR 1	2 900	1979
1980	3.30B AT 07:15 MST ON APR 5	2.35B ON APR 5	0B ON MAR 1	2 010	1980
1981	1.72 AT 09:00 MST ON MAR 13	1.00B ON MAR 14	0B ON MAR 5	837	1981
1982	6.21 AT 01:10 MST ON APR 23 *	5.52 ON APR 23 *	0 ON MAR 1	3 510	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 130	MEAN

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	0	0	0.006	0.015	0	---	---	---	1969
1970	---	---	0	4.86	0.034	0.011	0.815	0.093	0	0	---	---	0.716	1970
1971	---	---	0	7.65	0.078	0.012	1.31	0.015	0	0	---	---	1.12	1971
1972	---	---	1.51	4.17	0.146	0.073	0.040	0.098	0.089	0.003	---	---	0.748	1972
1973	---	---	1.34	1.98	0.126	1.30	1.23	0.956	0.005	0.009	---	---	0.866	1973
1974	---	---	0.005	18.0	---	---	---	0.018	0.008	0	---	---	---	1974
1975	---	---	0	1.57	0.254	0.035	0.024	0.010	0.027	0	---	---	0.237	1975
1976	---	---	0.046	1.14	0.002	0.007	0.007	0.035	0.038	0.006	---	---	0.157	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0.568	0.389	0.046	0.014	0.026	0.064	1.91	0.173	---	---	0.395	1978
1979	---	---	3.63	2.11	0.291	0.073	0.145	0.060	0.002	0.022	---	---	0.792	1979
1980	---	---	0.011	3.44	0.056	0.484	0.284	1.02	1.14	0.313	---	---	0.834	1980
1981	---	---	2.81	0.232	0.106	0.077	0.166	0.253	0.004	0.013	---	---	0.462	1981
1982	---	---	0	7.06	0.383	0.073	2.44	0.019	0.020	0.043	---	---	1.24	1982
MEAN	---	---	0.827	4.38	0.138	0.180	0.541	0.204	0.244	0.045	---	---	0.688	MEAN

LOCATION - LAT 53 24 44 N DRAINAGE AREA, 335 km^2
LONG 113 35 30 W NATURAL FLOW

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON MAY 22 *	---	1969
1970	36.5 AT 21:47 MST ON APR 10	31.7 ON APR 11	0B ON MAR 1	15 200	1970
1971	54.9 B AT 01:00 MST ON APR 17	41.1 B ON APR 16	0B ON MAR 1	23 600	1971
1972	17.4 AT 17:30 MST ON APR 7	15.5 ON APR 7	0B ON MAR 1	15 800	1972
1973	17.3 B AT 12:00 MST ON MAR 31	10.9 B ON MAR 31	0B ON MAR 1	18 300	1973
1974	114 AT 09:00 MST ON APR 23 *	95.1 ON APR 23 *	0 ON OCT 3	---	1974
1975	10.3 B AT 16:30 MST ON APR 21	7.93B ON APR 22	0B ON MAR 1	5 010	1975
1976	---	6.78B ON APR 6	0B ON MAR 1	3 330	1976
1977	---	---	0 ON JUN 28	---	1977
1978	8.07 AT 17:20 MST ON SEP 19	7.65 ON SEP 19	0B ON MAR 1	8 340	1978
1979	13.8 B AT 19:15 MST ON MAR 18	13.6 B ON MAR 17	0B ON MAR 1	16 800	1979
1980	15.8 B AT 18:45 MST ON APR 6	14.4 B ON APR 6	0B ON MAR 1	17 700	1980
1981	12.9 AT 22:30 MST ON MAR 15	11.2 B ON MAR 16	0 ON JUN 29	9 780	1981
1982	48.6 AT 11:10 MST ON APR 23	44.2 ON APR 23	0B ON MAR 1	26 300	1982
				14 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	2.63	0.864	0.957	0.364	0.174	---	1971
1972	0.082	0.069	0.158	7.91	42.2	3.10	20.4	7.83	1.32	2.22	0.922	0.313	7.29	1972
1973	0.288	0.141	0.196	20.9	27.5	19.3	5.45	6.60	3.81	3.59	1.81	0.484	7.52	1973
1974	0.252	0.241	0.167	32.1	66.4	6.59	5.10	10.0	6.21	5.10	1.53	0.554	11.3	1974
1975	0.262	0.160	0.128	4.38	13.8	6.97	6.06	0.621	0.879	0.390	0.315	0.153	2.87	1975
1976	0.090	0.085	0.060	12.9	6.30	10.3	14.3	17.4	4.48	2.27	0.991	0.537	5.82	1976
1977	0.347	0.343	0.267	9.54	16.4	43.3	4.63	2.52	1.77	5.74	1.71	0.452	7.24	1977
1978	0.231	0.143	0.151	6.15	37.7	6.78	1.64	0.464	4.38	2.12	0.730	0.309	5.12	1978
1979	0.138	0.126	0.106	2.59	35.6	34.5	17.4	3.99	2.24	1.34	0.297	0.107	7.43	1979
1980	0.032	0.007	0.005	1.58	1.03	1.98	2.54	1.44	2.27	1.75	0.768	0.074	1.12	1980
1981	0.001	0.043	0.632	7.05	17.7	7.20	2.67	0.519	0.025	0.156	0.184	0.097	3.04	1981
1982	0.071	0.031	0.029	2.48	15.2	0.887	0.108	2.23	0.248	0.272	0.162	0.087	1.85	1982
MEAN	0.166	0.126	0.173	9.78	25.4	11.9	7.30	4.69	2.37	2.16	0.815	0.278	5.51	MEAN

LOCATION - LAT 56 30 40 N DRAINAGE AREA, 2 010 km^2
LONG 117 39 32 W NATURAL FLOW

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	71.1 E AT 12:00 MST ON APR 30	69.7 E ON APR 30	0.051B ON FEB 29	231 000	1972
1973	54.1 AT 17:00 MST ON MAY 8	53.8 ON MAY 8	0.079B ON FEB 11	237 000	1973
1974	122 AT 16:30 MST ON MAY 1 *	122 ON MAY 1 *	0.113B ON MAR 24	356 000	1974
1975	35.4 AT 23:00 MST ON JUN 30	33.7 ON JUN 30	0.108B ON DEC 31	90 400	1975
1976	58.9 AT 23:00 MST ON JUN 30	56.1 ON JUN 30	0.051B ON MAR 1	184 000	1976
1977	103 AT 07:30 MST ON JUN 7	101 ON JUN 7	0.147B ON MAR 21	228 000	1977
1978	116 AT 18:00 MST ON MAY 25	107 ON MAY 25	0.040 ON AUG 16	161 000	1978
1979	57.9 AT 21:30 MST ON MAY 2	54.1 ON MAY 2	0.050B ON DEC 14	234 000	1979
1980	7.07B AT 06:30 MST ON APR 21	6.20 ON JUL 9	0 B ON MAR 14 *	35 500	1980
1981	40.5 AT 14:30 MST ON MAY 4	40.1 ON MAY 4	0.001B ON JAN 1	95 900	1981
1982	36.8 AT 12:30 MST ON MAY 5	35.5 ON MAY 5	0.015B ON FEB 26	58 200	1982
				174 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	1.09	5.23	12.1	31.4	39.2	21.1	18.4	10.9	---	---	22.2	1965
1966	---	---	1.54	2.16	20.8	26.9	21.8	17.0	10.8	6.38	---	---	17.2	1966
1967	---	---	1.42	1.70	14.7	35.5	13.2	7.80	4.73	3.62	---	---	13.2	1967
1968	---	---	3.99	2.60	14.0	19.2	17.2	12.6	7.61	4.70	---	---	12.5	1968
1969	---	---	---	---	---	12.7	13.8	25.5	6.57	4.82	---	---	---	1969
1970	---	---	---	---	8.06	15.4	7.30	3.95	3.02	2.53	---	---	6.68	1970
1971	---	---	---	---	8.12	34.1	32.8	8.87	5.23	4.39	---	---	15.5	1971
1972	---	---	---	---	11.5	38.3	12.5	7.25	5.96	6.19	---	---	13.5	1972
1973	---	---	---	---	11.0	17.2	11.0	5.86	3.95	3.68	---	---	8.77	1973
1974	---	---	---	---	8.89	24.4	16.8	8.81	6.41	4.41	---	---	11.6	1974
1975	---	---	---	---	4.56	9.53	11.7	4.91	3.63	2.56	---	---	6.15	1975
1976	---	---	---	---	10.2	12.5	13.0	17.6	7.84	4.44	---	---	10.9	1976
1977	---	---	---	---	14.2	26.3	21.6	14.8	13.1	8.58	---	---	16.4	1977
1978	---	---	---	---	10.0	24.8	23.6	10.4	13.3	7.86	---	---	15.0	1978
1979	---	---	---	---	8.41	14.0	9.24	6.13	4.25	3.12	---	---	7.51	1979
1980	---	---	---	---	5.83	39.9	15.3	10.8	9.28	6.13	---	---	14.4	1980
1981	---	---	---	---	11.2	11.3	8.99	8.92	5.28	3.61	---	---	8.21	1981
1982	---	---	---	---	7.24	26.1	35.3	14.9	11.3	11.5	---	---	17.7	1982
MEAN	---	---	2.01	2.92	10.6	23.3	18.0	11.5	7.81	5.52	---	---	12.8	MEAN

LOCATION - LAT 53 31 24 N, LONG 117 56 49 W
DRAINAGE AREA, 959 km²
NATURAL FLOW

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	110 AT 23:00 MST ON JUL 11	92.9 ON JUL 12	4.90 ON MAY 7	352 000	1965
1966	44.7 AT 19:00 MST ON MAY 10	41.9 ON MAY 27	2.41 B ON MAY 1	274 000	1966
1967	54.9 AT 05:00 MST ON JUN 3	52.4 ON JUN 3	2.97 ON OCT 30	209 000	1967
1968	29.4 AT 12:50 MST ON JUN 12	28.9 ON JUN 12	2.83 B ON MAY 1	199 000	1968
1969	122 AT 06:07 MST ON AUG 6	96.3 ON AUG 6	---	---	1969
1970	25.1 AT 04:40 MST ON JUN 4	23.4 ON JUN 4	2.12 ON MAY 1	106 000	1970
1971	117 AT 21:00 MST ON JUN 9	97.7 ON JUN 9	3.40 E ON OCT 31	247 000	1971
1972	118 AT 14:00 MST ON JUN 13	112 ON JUN 13	2.89 ON MAY 1	215 000	1972
1973	29.2 AT 22:45 MST ON JUN 24	26.9 ON JUN 25	2.37 ON MAY 1	139 000	1973
1974	40.8 AT 06:40 MST ON JUN 17	38.8 ON JUN 17	3.54 E ON OCT 31	184 000	1974
1975	17.3 AT 12:40 MST ON JUL 4	17.0 ON JUL 4	0.603B ON MAY 1 *	97 700	1975
1976	29.7 AT 02:10 MST ON AUG 17	28.2 ON AUG 17	3.43 E ON OCT 31	174 000	1976
1977	45.3 AT 05:20 MST ON JUN 8	42.2 ON JUN 8	3.23 ON MAY 2	261 000	1977
1978	77.3 AT 17:40 MST ON JUL 11	61.4 ON JUL 12	5.35 ON OCT 31	238 000	1978
1979	28.7 AT 12:15 MST ON MAY 27	24.1 ON MAY 27	2.66 A ON OCT 30	119 000	1979
1980	166 AT 18:20 MST ON JUN 4 *	121 ON JUN 4 *	4.48 ON OCT 31	229 000	1980
1981	26.0 AT 06:30 MST ON MAY 23	23.4 ON MAY 23	2.92 ON OCT 30	131 000	1981
1982	75.0 AT 05:55 MST ON JUL 5	73.0 ON JUL 5	2.15 B ON MAY 1	282 000	1982
MEAN				203 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	4.10	1.79	0.425	0.938	0.679	0.318	0.195	---	1965
1966	0.123	0.099	0.375	0.731	2.12	3.58	1.24	0.763	0.306	0.267	0.232	0.116	0.831	1966
1967	0.074	0.089	0.145	0.925	7.89	10.2	0.773	0.186	0.066	0.080	0.125	0.150	1.73	1967
1968	0.132	0.090	0.213	0.438	1.24	2.39	0.729	0.569	1.14	1.30	0.576	0.448	0.772	1968
1969	0.259	0.238	0.292	3.10	4.05	8.05	6.63	0.336	0.156	0.194	0.181	0.117	1.97	1969
1970	0.011	0.055	0.121	0.538	3.63	5.17	1.09	0.136	0.145	0.171	0.149	0.084	0.943	1970
1971	0.076	0.135	0.114	1.10	2.51	3.00	0.368	0.089	0.114	0.207	0.202	0.044	0.662	1971
1972	0.069	0.074	0.579	2.06	5.35	2.56	0.863	1.41	0.996	0.830	0.519	0.291	1.30	1972
1973	0.257	0.240	0.479	1.47	4.28	2.38	0.408	0.216	0.226	0.164	0.116	0.097	0.864	1973
1974	0.056	0.042	0.186	1.79	6.84	4.01	0.540	0.516	0.430	0.385	0.227	0.187	1.27	1974
1975	0.063	0.090	0.113	1.02	6.49	6.02	2.35	0.639	0.287	0.270	0.154	0.123	1.48	1975
1976	0.118	0.083	0.277	1.03	2.21	1.27	0.443	4.36	0.556	0.303	0.199	0.158	0.924	1976
1977	0.104	0.134	0.167	0.430	0.453	0.233	0.082	0.234	0.302	0.295	0.154	0.104	0.224	1977
1978	0.090	0.077	0.346	1.29	4.25	3.28	1.83	0.708	0.510	0.338	0.304	0.210	1.11	1978
1979	0.135	0.104	0.472	1.29	4.29	1.33	0.311	0.251	0.128	0.100	0.079	0.155	0.725	1979
1980	0.101	0.064	0.078	1.21	1.83	2.62	0.321	0.335	0.517	0.436	0.381	0.260	0.678	1980
1981	0.250	0.197	0.330	0.440	9.06	4.53	1.39	0.644	0.175	0.167	0.140	0.047	1.46	1981
1982	0	0.001	0.010	0.562	0.855	2.64	0.605	0.094	0.112	0.188	0.150	0.080	0.441	1982
MEAN	0.113	0.107	0.253	1.14	3.96	3.74	1.21	0.662	0.395	0.354	0.234	0.159	1.02	MEAN

LOCATION - LAT 50 11 47 N, LONG 114 12 46 W
DRAINAGE AREA, 162 km²
NATURAL FLOW

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	22.5 AT 22:30 MST ON JUN 17	16.3 ON JUN 18	---	---	1965
1966	---	10.8 ON JUN 5	0.085B ON MAR 7	26 200	1966
1967	---	39.1 ON MAY 31	0.042 ON SEP 21	54 500	1967
1968	---	4.84 ON JUN 7	0.059B ON FEB 21	24 400	1968
1969	45.3 A AT 12:00 MST ON JUN 25	39.4 A ON JUN 25 *	0.031B ON DEC 31	62 100	1969
1970	42.5 AT 13:10 MST ON JUN 13	18.4 ON JUN 14	0.001B ON JAN 17	29 700	1970
1971	---	11.7 A ON JUN 6	0.006B ON DEC 19	20 900	1971
1972	17.5 AT 08:40 MST ON AUG 23	8.33 ON MAY 15	0.065B ON JAN 1	41 200	1972
1973	---	12.7 A ON MAY 26	0.065B ON DEC 7	27 300	1973
1974	17.1 E ON APR 27	11.0 E ON APR 27	0.017B ON JAN 10	40 200	1974
1975	53.0 AT 03:30 MST ON JUN 20 *	38.5 ON JUN 20	0.014B ON JAN 18	46 500	1975
1976	43.9 AT 21:00 MST ON AUG 5	20.8 ON AUG 6	0.068B ON FEB 10	29 200	1976
1977	---	1.03B ON APR 6	0.015 ON AUG 2	7 070	1977
1978	10.8 AT 01:40 MST ON MAY 31	9.32 ON MAY 31	0.054B ON MAR 5	35 000	1978
1979	8.32 AT 22:20 MST ON MAY 16	7.16 ON MAY 16	0.040B ON DEC 1	22 900	1979
1980	9.99 AT 23:00 MST ON JUN 2	8.12 ON MAY 26	0.020B ON FEB 23	21 400	1980
1981	48.6 AT 00:20 MST ON MAY 20	31.5 ON MAY 20	0.002B ON DEC 31	46 000	1981
1982	5.59 AT 21:00 MST ON JUN 7	5.18 ON JUN 10	0 B ON JAN 4 *	13 900	1982
				32 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0.545	0.292	0.412	0.426	0.449	---	---	---	1977
1978	---	---	2.23	1.85	8.33	8.08	4.33	1.80	1.42	0.711	---	---	3.69	1978
1979	---	---	1.61	4.60	11.2	4.10	1.15	0.935	0.432	0.371	---	---	3.05	1979
1980	---	---	0.822	2.54	2.93	5.64	0.612	0.642	0.899	0.914	---	---	1.86	1980
1981	---	---	1.06	1.01	17.6	11.9	3.93	1.92	0.697	0.671	---	---	4.86	1981
1982	---	---	0.747	2.77	1.17	4.30	1.88	0.492	0.536	0.570	---	---	1.55	1982
MEAN	---	---	1.29	2.55	8.25	5.89	2.03	1.03	0.735	0.614	---	---	3.00	MEAN

LOCATION - LAT 50 08 25 N, LONG 113 56 21 W
DRAINAGE AREA, 727 km^2
REGULATED SINCE 1966

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	1.78R AT 01:15 MST ON JUN 17	---	---	---	1977
1978	24.6 AT 08:30 MST ON MAY 31	23.6 ON MAY 31	0.309B ON MAR 2	78 100	1978
1979	16.3 AT 05:40 MST ON MAY 17	15.5 ON MAY 17	0.275R ON OCT 30 *	64 600	1979
1980	12.4 AT 15:30 MST ON MAY 27	11.6 ON MAY 27	0.364 ON JUL 31	39 400	1980
1981	69.1 AT 03:40 MST ON JUN 14 *	51.2 ON MAY 22 *	0.601 ON SEP 19	103 000	1981
1982	8.23 AT 09:18 MST ON JUN 6	7.35 ON JUN 6	0.300B ON MAR 3	32 700	1982
				63 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	1.62	---	---	---	---	1908
1944	0.048	0.065	0.260	2.28	1.38	1.48	0.696	0.221	0.153	0.264	0.233	0.084	0.569	1944
1945	0.025	0.029	0.552	1.04	8.05	14.8	4.28	0.765	0.923	1.16	0.591	0.883	2.76	1945
1946	0.365	0.418	1.43	2.03	3.25	9.87	2.23	0.755	1.87	1.54	0.900	0.597	2.10	1946
1947	0.491	1.30	3.55	8.83	10.1	9.34	2.66	2.09	4.21	3.29	2.02	1.53	4.12	1947
1948	1.04	0.810	3.91	13.6	36.1	25.0	8.48	3.81	1.60	1.26	0.790	0.248	8.08	1948
1949	0.137	0.097	0.534	3.70	3.74	3.40	1.02	0.107	0.141	0.392	0.536	0.225	1.17	1949
1950	0.089	0.409	1.16	3.43	5.37	3.84	1.00	0.539	0.154	0.367	0.215	0.225	1.40	1950
1951	0.181	0.135	7.85	6.33	15.9	31.6	13.3	6.30	13.1	8.69	3.79	3.33	9.15	1951
1952	0.542	1.69	4.69	13.9	8.78	9.19	5.39	3.60	1.78	1.17	0.818	0.476	4.33	1952
1953	0.317	0.567	3.25	6.65	21.1	62.1	11.2	3.36	1.89	1.26	1.09	0.738	9.44	1953
1954	0.639	1.01	0.753	5.28	13.7	9.15	2.38	2.32	2.69	3.60	2.03	0.964	3.72	1954
1955	0.378	0.596	0.692	11.3	23.8	13.2	11.3	2.19	1.30	1.22	0.494	0.649	5.62	1955
1956	0.541	0.324	2.74	3.97	7.08	3.10	5.63	1.12	0.859	0.685	0.701	0.368	2.27	1956
1957	0.137	0.461	1.58	5.25	8.76	5.86	1.19	0.606	0.560	0.978	0.881	0.476	2.23	1957
1958	0.291	0.312	1.47	10.5	11.2	7.42	10.1	3.10	1.28	0.719	0.666	0.598	3.99	1958
1959	0.386	0.279	4.13	4.91	9.57	7.40	2.11	0.949	1.07	0.945	1.18	0.772	2.81	1959
1960	0.582	0.998	5.71	2.95	8.59	3.92	0.709	0.521	0.162	0.270	0.229	0.204	2.08	1960
1961	0.242	0.264	0.569	1.23	4.82	1.87	0.403	0.430	0.291	1.29	0.838	0.421	1.06	1961
1962	0.869	1.40	4.49	9.54	3.86	2.55	0.697	0.226	0.284	0.296	0.257	0.176	2.05	1962
1963	0.159	0.387	0.418	0.779	1.90	14.1	14.3	1.26	0.671	0.500	0.353	0.285	2.93	1963
1964	0.120	0.126	0.128	2.26	13.8	8.36	2.42	0.606	0.919	0.668	0.487	0.220	2.52	1964
1965	0.132	1.47	0.441	6.81	3.73	9.78	7.49	1.75	2.66	1.79	0.924	0.678	3.13	1965
1966	0.286	0.337	2.76	2.69	3.65	13.9	2.99	1.63	0.647	0.759	0.574	0.314	2.54	1966
1967	0.133	0.240	3.42	2.85	18.6	30.6	5.23	1.63	0.793	0.820	0.768	0.434	5.47	1967
1968	0.519	0.435	1.19	1.06	1.56	3.19	1.76	1.27	2.78	4.30	2.08	1.26	1.78	1968
1969	0.869	0.836	3.63	13.8	11.9	19.4	24.5	2.95	1.43	1.35	1.16	0.586	6.90	1969
1970	0.325	0.639	1.33	3.37	8.21	11.1	3.44	0.692	0.712	0.834	0.674	0.683	2.67	1970
1971	1.82	3.38	1.28	5.09	4.17	6.88	1.14	0.380	0.470	0.664	0.616	0.278	2.16	1971
1972	0.367	0.507	6.58	7.33	16.3	8.40	2.65	3.54	2.37	2.00	1.66	0.760	4.38	1972
1973	1.10	1.26	2.04	4.87	11.4	7.45	1.60	0.811	0.631	0.878	0.804	0.647	2.80	1973
1974	0.580	0.797	3.38	4.73	21.2	12.4	2.55	1.66	1.22	1.17	0.875	0.768	4.30	1974
1975	0.591	0.484	0.853	7.66	17.7	16.7	7.37	2.52	1.14	1.02	0.716	0.605	4.79	1975
1976	1.16	0.750	3.22	3.17	4.95	2.66	0.788	8.71	1.30	0.847	0.505	0.567	2.40	1976
1977	0.744	0.830	1.08	1.89	0.862	0.439	0.167	0.339	0.349	0.388	0.175	0.194	0.619	1977
1978	0.263	0.364	3.23	2.22	12.0	10.4	5.57	2.24	1.86	0.977	0.952	0.489	3.40	1978
1979	0.210	0.547	2.54	6.05	14.2	4.95	1.08	0.968	0.584	0.522	0.341	0.361	2.70	1979
1980	0.216	0.443	0.988	3.16	2.91	5.74	0.552	0.578	0.734	0.769	0.664	0.816	1.46	1980
1981	0.602	0.790	1.07	1.02	18.5	14.6	4.95	2.82	0.628	0.611	0.461	0.281	3.85	1981
1982	0.024	0.167	0.599	2.93	1.52	4.64	2.10	0.337	0.381	0.496	0.690	0.525	1.20	1982
MEAN	0.448	0.665	2.29	5.14	10.1	11.0	4.55	1.78	1.45	1.30	0.861	0.582	3.36	MEAN

LOCATION - LAT 50 01 05 N DRAINAGE AREA, 1 160 km²
LONG 113 42 50 W REGULATED SINCE 1966

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1944	5.80 AT 17:40 MST ON APR 4	5.47 ON APR 4	0.028 ON AUG 11	18 600	1944
1945	36.2 AT 09:00 MST ON JUN 7	35.7 ON JUN 28	0.020 ON FEB 1	87 100	1945
1946	---	52.1 ON JUN 7	0.113 ON FEB 8	66 300	1946
1947	22.7 AT 17:00 MST ON JUN 11	21.1 ON JUN 11	0.170B ON JAN 14	130 000	1947
1948	76.7 AT 17:00 MST ON MAY 23	71.9 ON MAY 23	0.198B ON DEC 15	255 000	1948
1949	11.4 AT 16:50 MST ON MAY 22	10.6 ON MAY 23	0.037 ON AUG 19	36 900	1949
1950	9.34 AT 17:00 MST ON MAY 13	8.64 ON MAY 16	0.014B ON FEB 13	44 100	1950
1951	121 ON JUN 24	85.0 ON JUN 24	0.051B ON FEB 1	289 000	1951
1952	---	35.1 ON APR 7	0.028B ON JAN 24	137 000	1952
1953	283 AT 06:00 MST ON JUN 9 *	234 ON JUN 9 *	0.170B ON JAN 1	298 000	1953
1954	37.1 AT 08:30 MST ON MAY 12	34.8 ON MAY 12	0.340B ON MAR 22	117 000	1954
1955	92.6 AT 07:00 MST ON MAY 19	73.9 ON MAY 19	0.227B ON FEB 27	177 000	1955
1956	38.2 AT 08:20 MST ON JUL 4	33.4 ON JUL 4	0.198B ON FEB 27	71 900	1956
1957	14.6 AT 16:00 MST ON APR 30	13.3 ON MAY 2	0.085B ON JAN 15	70 400	1957
1958	36.2 AT 07:50 MST ON APR 14	27.6 ON APR 14	0.113B ON FEB 17	126 000	1958
1959	17.5 AT 12:00 MST ON MAY 28	16.7 ON MAY 28	0.170B ON JAN 24	88 700	1959
1960	---	26.1 B ON MAR 20	0.116 ON SEP 21	65 800	1960
1961	---	7.48 ON MAY 25	0.125 ON SEP 6	33 500	1961
1962	45.9 AT 03:00 MST ON APR 5	30.3 ON APR 5	0.079 ON AUG 26	64 500	1962
1963	255 ON JUN 29	213 ON JUN 30	0.057B ON NOV 19	92 500	1963
1964	---	32.6 ON MAY 7	0.028B ON JAN 12	79 500	1964
1965	---	37.4 ON JUN 18	0.017B ON JAN 7	98 800	1965
1966	---	33.7 ON JUN 5	0.034B ON JAN 31	80 100	1966
1967	---	81.3 ON MAY 31	0.037B ON JAN 31	172 000	1967
1968	---	9.91 ON SEP 28	0.082B ON JAN 28	56 300	1968
1969	105 AT 16:30 MST ON JUL 1	92.6 ON JUL 1	0.362B ON DEC 31	218 000	1969
1970	---	47.6 ON JUN 14	0.229B ON JAN 15	84 100	1970
1971	---	22.7 ON JUN 7	0.133B ON DEC 11	68 100	1971
1972	---	37.7 ON MAY 26	0.278B ON JAN 12	139 000	1972
1973	44.5 AT 16:00 MDT ON MAY 26	30.9 ON MAY 27	0.459 ON AUG 29	88 200	1973
1974	33.7 AT 07:10 MST ON MAY 21	32.3 ON MAY 21	0.283B ON JAN 13	136 000	1974
1975	90.3 AT 22:00 MST ON JUN 20	64.0 ON JUN 21	0.283B ON NOV 27	151 000	1975
1976	---	32.0 ON AUG 6	0.181B ON NOV 12	75 900	1976
1977	---	7.79 ON APR 5	0.051 ON JUL 24	19 500	1977
1978	---	36.2 ON MAY 18	0.170B ON DEC 13	107 000	1978
1979	---	18.3 ON MAY 17	0.140B ON JAN 6	85 300	1979
1980	---	12.9 ON MAY 27	0.100B ON FEB 23	46 100	1980
1981	---	59.2 ON JUN 14	0.055B ON DEC 31	122 000	1981
1982	---	7.92 ON JUN 7	0 B ON JAN 22 *	37 800	1982
				106 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR GRANUM - STATION NO. 05AB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	8.40	16.3	5.76	4.74	1.36	1.10	---	---	---	1924
1925	---	---	2.94	9.56	6.32	10.7	2.05	1.02	1.35	4.86	---	---	4.83	1925
1926	---	---	1.25	4.46	2.37	12.2	8.99	2.48	14.8	10.0	---	---	7.03	1926
1927	---	---	3.27	5.64	32.3	46.3	12.1	9.13	19.4	16.9	---	---	18.0	1927
1928	---	---	10.6	12.7	12.3	26.4	30.3	9.20	4.64	3.68	---	---	13.7	1928
1929	---	---	2.69	7.15	20.0	34.8	4.69	1.62	1.26	1.37	---	---	9.13	1929
1930	---	5.13	2.94	8.46	7.59	6.97	2.78	0.683	0.726	0.877	---	---	3.86	1930
1931	---	---	1.31	2.05	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	9.68	3.76	3.37	1.43	0.305	0.065	0.326	---	---	---	1935
1936	---	---	4.06	8.01	1.46	1.34	0.104	0	0	0	---	---	1.86	1936
1937	---	---	0.333	2.41	2.26	8.90	1.32	0.582	0.280	0.832	---	---	2.09	1937
1938	---	---	1.87	6.52	15.2	7.26	4.12	0.904	0.252	0.469	---	---	4.57	1938
1939	---	---	3.04	2.18	1.42	16.0	3.53	0.552	0.336	1.08	---	---	3.48	1939
1940	---	---	1.54	4.43	6.21	2.66	1.13	0.437	1.82	1.82	---	---	2.50	1940
1941	---	---	1.10	1.45	1.44	3.05	0.898	0.433	1.64	1.64	---	---	1.45	1941
MEAN	---	5.13	2.84	6.05	8.65	14.0	5.65	2.29	3.42	3.21	---	---	6.04	MEAN

LOCATION - LAT 49 53 00 N DRAINAGE AREA, 2 000 km^2
LONG 113 33 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

WILLOW CREEK NEAR GRANUM - STATION NO. 05AB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	34.5 ON JUN 9	---	---	1924
1925	---	24.1 ON JUN 15	0.283B ON MAR 1	102 000	1925
1926	---	51.5 ON JUN 20	0.558B ON MAR 31	149 000	1926
1927	---	104 ON MAY 30	1.25 B ON MAR 1	382 000	1927
1928	---	60.3 ON JUL 3	2.61 B ON MAR 9	290 000	1928
1929	---	128 ON JUN 4 *	0.946 ON AUG 25	193 000	1929
1930	---	18.3 ON APR 3	0.467 ON AUG 30	81 700	1930
1931	---	---	---	---	1931
1935	---	62.0 ON APR 13	---	---	1935
1936	---	38.5 B ON APR 9	0 ON JUL 21 *	39 400	1936
1937	---	44.2 ON JUN 14	0 B ON MAR 1	44 300	1937
1938	---	40.5 ON MAY 24	0.085 ON SEP 28	96 700	1938
1939	---	69.7 ON JUN 17	0.057B ON MAR 1	73 700	1939
1940	---	11.9 ON APR 13	0.040 ON SEP 2	52 900	1940
1941	---	8.69 ON JUN 3	0.028B ON MAR 1	30 700	1941
				128 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	8.36	3.78	1.26	1.17	---	---	---	1909
1910	---	---	---	1.15	1.49	0.665	0.090	0.077	1.32	1.35	---	---	---	1910
1911	---	---	---	2.18	5.97	5.64	2.05	8.74	15.8	3.86	---	---	---	1911
1912	---	---	---	---	8.64	10.8	14.0	8.06	3.89	3.41	---	---	---	1912
1913	---	---	---	---	11.2	8.99	8.48	5.29	2.61	2.42	---	---	---	1913
1914	---	---	---	5.16	4.42	4.29	2.57	0.887	0.617	3.55	---	---	---	1914
1915	---	---	---	3.67	28.2	45.6	34.7	15.4	8.11	5.35	3.98	3.00	---	1915
1916	0.511	1.92	4.67	6.27	9.08	35.3	16.7	4.94	6.53	7.04	5.53	3.02	11.3	1916
1917	1.12	0.823	2.04	12.0	38.6	52.8	11.1	4.50	2.84	2.33	2.74	0.682	15.7	1917
1918	0.576	0.869	2.51	2.84	4.24	3.23	0.837	0.652	1.06	0.983	0.478	0.181	2.04	1918
1919	0.252	0.262	0.266	3.16	3.73	1.34	0.105	0.282	0.227	0.481	1.04	0.361	1.19	1919
1920	0.347	0.415	3.07	8.56	34.5	16.0	5.72	1.27	0.629	0.736	0.732	0.306	8.82	1920
1921	0.053	0.514	1.78	4.86	4.56	3.08	1.05	0.321	0.287	0.556	0.379	0.248	2.05	1921
1922	0	0	0.212	6.43	10.8	4.70	2.34	0.628	0.213	0.337	0.268	0.085	3.20	1922
1923	0.050	0.015	0.504	2.66	3.67	63.5	18.6	7.72	3.11	2.00	---	---	12.6	1923
1924	---	---	2.23	---	---	---	---	---	---	---	---	---	---	1924
1942	---	---	1.09	4.38	40.0	45.8	20.4	9.28	6.71	5.43	---	---	16.6	1942
1943	---	---	5.55	14.6	7.89	7.34	2.73	0.667	0.364	0.587	---	---	4.94	1943
1944	---	---	0.376	3.28	1.42	1.29	0.637	0.414	0.308	0.146	---	---	0.976	1944
1945	---	---	0.512	0.935	7.67	17.1	5.16	0.754	0.953	1.06	---	---	4.24	1945
1946	---	---	2.63	2.19	3.44	12.2	2.54	0.793	2.86	3.12	---	---	3.70	1946
1947	---	---	4.97	11.3	14.6	12.6	3.59	2.04	3.75	5.00	---	---	7.20	1947
1948	---	---	5.82	21.1	55.8	43.5	14.2	6.81	2.27	2.22	---	---	18.9	1948
1949	---	---	0.864	6.07	5.08	4.48	1.31	0.214	0.276	0.745	---	---	2.36	1949
1950	---	---	2.36	4.53	6.25	4.50	1.55	0.649	0.210	0.318	---	---	2.54	1950
1951	---	---	11.4	8.57	18.9	41.9	19.9	8.21	20.7	14.5	---	---	17.9	1951
1952	---	---	5.21	21.2	11.9	12.5	7.50	4.70	2.22	1.63	---	---	8.32	1952
1953	---	---	5.04	7.63	28.4	88.3	17.7	6.05	3.07	1.86	---	---	19.6	1953
1954	---	---	2.00	8.04	15.4	13.5	3.61	3.69	3.64	4.43	---	---	6.77	1954
1955	---	---	1.88	15.0	34.6	20.5	15.1	3.07	1.80	1.71	---	---	11.7	1955
1956	---	---	5.39	4.64	6.82	3.32	7.12	1.58	1.12	0.796	---	---	3.86	1956
1957	---	---	3.31	6.37	9.95	6.69	2.09	0.818	0.735	1.30	---	---	3.90	1957
1958	---	---	2.55	15.8	14.4	8.67	13.2	4.73	1.78	1.12	---	---	7.77	1958
1959	---	---	5.60	5.95	12.8	11.9	3.68	1.33	1.42	1.27	---	---	5.49	1959
1960	---	---	6.70	4.06	11.3	6.06	1.31	0.594	0.186	0.389	---	---	3.83	1960
1961	---	---	0.965	1.43	5.11	2.31	0.437	0.684	0.351	1.46	---	---	1.60	1961
1962	---	---	5.74	12.5	4.41	3.13	0.770	0.242	0.304	0.324	0.310	0.198	3.40	1962
1963	0.132	0.819	0.682	0.793	1.84	16.5	20.3	1.73	0.745	0.500	0.603	0.584	5.37	1963
1964	0.361	0.260	0.453	2.55	16.6	9.33	2.87	0.781	0.982	0.789	0.557	0.375	4.30	1964
1965	0.223	1.71	2.01	9.70	4.39	11.0	10.3	2.99	3.45	2.63	1.49	1.04	5.77	1965
1966	0.288	0.371	3.03	3.50	4.31	17.3	4.51	2.84	1.06	0.978	0.833	0.468	4.66	1966
1967	0.262	0.264	3.68	7.67	26.8	49.6	10.4	2.31	1.23	1.28	1.48	0.632	12.8	1967
1968	1.47	1.22	2.93	2.30	2.41	3.79	2.34	1.62	3.63	5.18	---	---	3.02	1968
1969	---	---	6.99	20.4	15.1	24.2	33.7	3.92	1.92	2.03	---	---	13.5	1969
1970	---	---	1.94	4.43	7.77	12.4	4.36	1.01	0.797	1.14	---	---	4.22	1970
1971	---	---	1.80	6.27	3.87	7.10	1.35	0.574	0.526	0.860	---	---	2.78	1971
1972	---	---	11.6	9.81	19.6	12.2	4.20	4.08	3.17	2.66	---	---	8.41	1972
1973	---	---	3.31	4.95	12.0	9.01	2.20	1.01	1.06	1.12	---	---	4.32	1973
1974	---	---	4.35	5.90	24.0	15.8	3.33	2.22	1.62	1.52	---	---	7.34	1974
1975	---	---	0.990	9.21	21.7	23.2	10.3	3.66	1.79	1.60	---	---	9.04	1975
1976	---	---	4.01	3.94	5.01	3.05	0.776	10.2	1.92	1.39	---	---	3.80	1976
1977	---	---	1.63	2.50	0.921	0.416	0.186	0.379	0.378	0.399	---	---	0.849	1977
1978	---	---	8.01	3.83	11.5	15.5	6.54	2.98	4.02	1.66	---	---	6.75	1978
1979	---	---	4.63	7.34	17.5	6.68	1.38	0.904	0.593	0.616	---	---	4.96	1979
1980	---	---	1.79	3.91	3.15	7.73	0.519	0.679	0.937	1.02	---	---	2.88	1980
1981	---	---	1.72	1.20	21.4	17.1	5.93	2.95	0.954	0.867	---	---	6.52	1981
1982	---	---	0.854	3.91	1.70	5.14	2.70	0.253	0.342	0.564	---	---	1.92	1982
MEAN	0.403	0.676	3.27	6.65	12.9	16.2	7.13	2.98	2.40	2.03	1.46	0.799	6.64	MEAN

LOCATION - LAT 49 47 33 N   DRAINAGE AREA, 2 290 km^2
LONG 113 32 13 W   REGULATED SINCE 1966

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.32 ON SEP 21	---	---	1910
1911	---	41.9 ON SEP 5	---	---	1911
1912	---	38.5 ON JUN 16	---	---	1912
1913	---	21.4 ON APR 12	---	---	1913
1914	---	12.7 ON APR 6	---	---	1914
1915	---	112 ON JUN 26	---	---	1915
1916	---	58.0 ON JUN 10	1.33 ON MAR 3	238 000	1916
1917	---	82.4 ON MAY 28	1.10 B ON MAR 1	332 000	1917
1918	---	11.4 B ON MAR 26	0.368 ON JUL 21	43 100	1918
1919	---	11.7 B ON APR 1	0.034 ON JUL 27	25 300	1919
1920	---	87.2 ON MAY 9	0.187B ON MAR 13	187 000	1920
1921	---	22.4 ON APR 3	0.062B ON MAR 16	43 500	1921
1922	---	24.5 ON APR 22	0 ON MAR 1 *	67 800	1922
1923	---	203 ON JUN 2	0.042B ON MAR 2	267 000	1923
1924	---	---	---	---	1924
1942	552 AT 12:00 MST ON MAY 12	317 ON MAY 12	0.057B ON MAR 1	352 000	1942
1943	---	77.9 ON APR 3	0.170B ON MAR 6	105 000	1943
1944	---	9.51 ON APR 5	0.057B ON MAR 10	20 700	1944
1945	---	37.9 ON JUN 7	0 B ON MAR 1	89 800	1945
1946	60.6 ON JUN 8	58.0 ON JUN 8	0.269 ON AUG 13	78 300	1946
1947	---	27.4 ON JUN 12	0.453B ON MAR 1	152 000	1947
1948	---	101 ON MAY 23	0.991 ON OCT 7	400 000	1948
1949	---	16.7 ON MAY 22	0.057 ON AUG 23	50 000	1949
1950	9.15 AT 10:00 MST ON MAY 16	9.00 ON MAY 28	0.181 ON SEP 27	53 700	1950
1951	---	90.6 E ON JUN 24	0.227B ON MAR 1	380 000	1951
1952	---	60.9 ON APR 7	1.44 ON SEP 29	176 000	1952
1953	592 AT 10:00 MST ON JUN 9 *	416 ON JUN 9 *	0.793B ON MAR 6	415 000	1953
1954	---	34.8 ON MAY 12	1.10 B ON APR 3	143 000	1954
1955	107 AT 16:00 MST ON MAY 19	101 ON MAY 20	0.623B ON MAR 2	248 000	1955
1956	---	31.7 ON JUL 5	0.227B ON MAR 1	81 700	1956
1957	---	15.3 ON MAY 9	0.085B ON MAR 5	82 500	1957
1958	---	52.1 ON APR 14	0.510B ON MAR 8	165 000	1958
1959	28.9 AT 15:00 MST ON JUN 28	28.0 ON JUN 28	0.765B ON MAR 5	116 000	1959
1960	34.8 B AT 16:00 MST ON MAR 20	29.2 B ON MAR 19	0.113 ON SEP 20	81 000	1960
1961	10.7 AT 01:00 MST ON MAY 18	9.68 ON MAY 17	0.088 ON SEP 6	33 800	1961
1962	51.8 AT 14:00 MST ON APR 5	37.1 ON APR 5	0.074A ON AUG 23	72 100	1962
1963	368 E ON JUN 30	328 E ON JUN 30	0.300B ON MAR 14	114 000	1963
1964	50.1 AT 22:00 MST ON MAY 7	37.1 ON MAY 7	0.351B ON MAR 8	91 100	1964
1965	54.1 AT 22:00 MST ON JUN 18	37.7 ON JUN 19	0.504B ON MAR 29	122 000	1965
1966	41.9 AT 02:00 MST ON JUN 6	36.2 ON JUN 6	0.357B ON MAR 9	98 700	1966
1967	---	99.7 ON JUN 2	0.3[illegible]6B ON MAR 12	270 000	1967
1968	9.68 AT 02:00 MST ON SEP 27	9.26 ON SEP 27	0.909 ON AUG 5	64 000	1968
1969	120 AT 13:59 MST ON JUN 30	114 ON JUN 30	0.977B ON MAR 7	286 000	1969
1970	---	43.0 ON JUN 15	0.569 ON AUG 28	89 300	1970
1971	24.1 AT 12:30 MST ON JUN 7	22.5 ON JUN 8	0.227 ON AUG 21	59 000	1971
1972	87.2 B AT 18:00 MST ON MAR 11	47.3 B ON MAR 18	0.283B ON MAR 1	178 000	1972
1973	43.0 AT 03:20 MST ON MAY 27	37.4 ON MAY 27	0.677 ON AUG 25	91 500	1973
1974	37.9 AT 17:50 MST ON MAY 20	34.5 ON MAY 28	0.940B ON MAR 1	155 000	1974
1975	101 AT 08:30 MST ON JUN 21	94.0 ON JUN 21	0.646B ON MAR 3	191 000	1975
1976	42.2 AT 13:40 MST ON AUG 9	35.7 ON AUG 9	0.190 ON JUL 26	80 500	1976
1977	10.3 AT 12:05 MST ON APR 6	9.17 ON APR 6	0.008 ON JUL 19	18 000	1977
1978	37.1 AT 04:30 MST ON JUN 1	36.0 ON JUN 1	0.702B ON MAR 3	143 000	1978
1979	23.3 AT 03:30 MST ON MAY 18	22.7 ON MAY 18	0.254B ON MAR 1	105 000	1979
1980	16.2 AT 14:15 MST ON MAY 28	15.7 ON MAY 28	0.060A ON JUL 30	51 700	1980
1981	68.2 AT 00:25 MST ON JUN 15	62.4 ON MAY 23	0.600 ON SEP 19	138 000	1981
1982	11.7 AT 08:30 MST ON JUN 7	10.9 ON JUN 7	0.130E ON AUG 21	40 500	1982
				141 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)　B - ICE CONDITIONS　E - ESTIMATED　* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLF CREEK AT HIGHWAY NO. 16A - STATION NO. 07AG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	1.27	0.895	---	1954
1955	0.687	0.650	0.598	8.28	9.58	6.58	5.57	1.53	0.391	0.741	0.605	0.263	2.96	1955
1956	0.314	0.282	0.275	4.49	4.48	5.51	2.19	1.24	0.888	0.805	0.716	0.530	1.81	1956
1957	0.545	0.332	0.418	8.00	6.96	2.03	2.83	8.78	2.60	4.70	3.46	1.44	3.53	1957
1958	0.919	0.766	0.619	6.53	6.80	7.93	7.16	0.596	0.964	1.14	0.539	0.279	2.86	1958
1959	0.153	0.062	0.236	1.73	3.12	9.50	2.34	0.967	1.26	1.97	1.38	0.702	1.95	1959
1960	0.508	0.385	1.74	4.22	8.72	6.64	8.72	1.09	1.47	1.68	0.832	0.359	3.04	1960
1961	0.544	0.506	0.800	1.70	4.42	1.67	2.34	1.39	0.408	1.24	0.521	0.077	1.31	1961
1962	0.097	0.097	0.316	8.53	8.76	2.93	3.40	3.58	5.80	3.04	2.01	0.708	3.28	1962
1963	0.223	0.077	0.084	11.7	10.7	3.14	0.971	0.587	0.902	0.769	0.375	0.316	2.50	1963
1964	0.215	0.279	0.264	1.53	12.0	4.20	7.04	5.66	13.3	7.04	2.08	0.930	4.57	1964
1965	0.387	0.517	0.449	8.96	17.9	19.9	25.0	2.65	4.52	2.27	1.00	1.00	7.08	1965
1966	0.494	0.663	1.09	7.16	8.31	4.21	8.96	15.7	5.65	3.04	1.48	1.33	4.88	1966
1967	0.841	0.506	0.658	3.60	9.42	6.92	2.05	3.38	0.509	0.410	0.345	0.128	2.41	1967
1968	0.045	0.022	0.105	2.41	5.29	4.57	3.75	6.41	3.21	1.75	0.940	0.758	2.45	1968
1969	0.473	0.402	0.403	4.88	5.39	2.16	7.61	18.6	5.99	5.78	2.62	0.619	4.62	1969
1970	0.508	0.606	0.796	5.88	6.00	8.68	3.30	1.55	0.960	0.942	0.605	0.533	2.53	1970
1971	0.506	0.647	0.567	9.16	7.15	27.6	26.3	2.76	2.25	4.52	2.08	1.09	7.07	1971
1972	0.826	0.406	2.35	7.97	18.0	31.1	8.41	3.67	2.92	6.00	2.71	1.24	7.12	1972
1973	0.890	0.992	0.978	12.4	15.2	4.59	2.27	5.05	2.14	2.91	1.17	0.812	4.13	1973
1974	0.728	0.718	0.863	15.7	22.2	3.11	8.08	2.91	2.08	2.02	0.662	0.671	5.01	1974
1975	0.542	0.563	0.524	1.76	4.68	5.63	5.82	0.989	0.934	0.868	0.576	0.489	1.96	1975
1976	0.525	0.509	0.536	6.79	2.63	3.46	5.44	9.78	2.50	1.49	0.935	0.670	2.95	1976
1977	0.543	0.650	0.591	3.81	29.6	10.0	6.89	9.01	14.3	5.70	1.52	0.772	7.00	1977
1978	0.672	0.652	1.15	7.05	10.6	16.1	8.09	2.70	11.2	4.11	1.94	1.08	5.45	1978
1979	0.498	0.516	0.824	2.16	8.77	9.37	8.94	2.46	0.779	1.23	0.858	0.627	3.10	1979
1980	0.599	0.586	0.621	7.75	7.78	43.1	13.7	6.22	8.76	3.12	1.95	1.26	7.91	1980
1981	0.810	0.569	1.06	3.62	9.96	6.82	3.30	1.46	0.981	1.00	0.937	0.257	2.58	1981
1982	0.179	0.338	0.322	2.39	8.75	5.98	41.1	4.89	4.74	3.87	1.21	0.585	6.28	1982
MEAN	0.510	0.475	0.687	6.08	9.76	9.41	8.27	4.49	3.66	2.65	1.29	0.704	4.01	MEAN

LOCATION - LAT 53 35 55 N DRAINAGE AREA, 829 km²
LONG 116 16 15 W NATURAL FLOW

WOLF CREEK AT HIGHWAY NO. 16 - STATION NO. 07AG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	27.4 AT 16:15 MST ON JUN 1	27.2 ON JUN 1	0.110 ON SEP 4	93 500	1955
1956	---	11.2 ON JUN 19	0.142B ON MAR 5	57 100	1956
1957	---	29.4 ON APR 26	0.142B ON FEB 1	111 000	1957
1958	84.1 AT 11:00 MST ON JUN 29	80.4 ON JUN 29	0.085B ON DEC 8	90 100	1958
1959	26.6 AT 18:30 MST ON JUN 18	23.5 ON JUN 19	0.028B ON JAN 19	61 500	1959
1960	---	52.7 ON JUL 3	0.085B ON DEC 5	96 100	1960
1961	9.40 AT 14:00 MST ON JUL 31	8.61 ON JUL 31	0.023B ON DEC 24	41 400	1961
1962	---	20.5 ON MAY 21	0.028B ON FEB 2	104 000	1962
1963	---	41.1 ON APR 27	0.020B ON MAR 26	78 600	1963
1964	---	60.6 ON MAY 8	0.147B ON JAN 10	144 000	1964
1965	---	86.9 ON JUL 10	0.170B ON JAN 10	223 000	1965
1966	---	49.3 ON AUG 6	0.227B ON FEB 28	154 000	1966
1967	---	19.2 ON MAY 9	0.085B ON DEC 14	75 900	1967
1968	---	14.1 ON AUG 7	0.014B ON FEB 6 *	77 500	1968
1969	---	138 ON AUG 6	0.300B ON DEC 22	146 000	1969
1970	---	40.8 ON JUN 17	0.481B ON JAN 11	79 800	1970
1971	---	89.2 ON JUL 12	0.476B ON JAN 14	223 000	1971
1972	260 AT 23:30 MST ON JUN 26 *	218 ON JUN 26 *	0.292B ON FEB 18	225 000	1972
1973	---	33.7 ON MAY 5	0.748B ON JAN 17	130 000	1973
1974	---	58.9 ON APR 27	0.343B ON NOV 12	158 000	1974
1975	---	44.2 ON JUN 29	0.343B ON NOV 26	61 700	1975
1976	---	25.1 ON APR 13	0.445B ON MAR 4	93 200	1976
1977	---	92.9 ON MAY 30	0.411B ON JAN 7	221 000	1977
1978	---	35.1 ON JUN 15	0.484B ON FEB 13	172 000	1978
1979	---	29.6 ON JUN 15	0.255B ON JAN 25	97 900	1979
1980	---	158 ON JUN 6	0.541B ON MAR 5	251 000	1980
1981	---	22.2 ON MAY 9	0.110B ON DEC 28	81 200	1981
1982	---	182 ON JUL 5	0.080B ON JAN 3	198 000	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		127 000	MEAN

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0.094	0.526	0.537	0.541	---	1968
1969	0.567	0.590	0.640	1.80	3.43	1.81	0.934	0.597	0.539	0.597	0.644	0.690	1.07	1969
1970	0.708	0.708	0.805	1.51	2.13	1.21	13.2	6.83	4.30	3.65	2.68	1.95	3.34	1970
1971	1.41	1.03	0.715	3.05	5.72	3.59	10.4	4.07	1.09	0.242	0.079	0.169	2.65	1971
1972	0.327	0.419	0.520	2.33	5.90	2.20	0.837	0.598	0.100	0.073	0.177	0.184	1.14	1972
1973	0.180	0.176	0.181	0.440	1.87	3.74	2.50	2.61	3.52	2.68	2.42	1.57	1.83	1973
1974	1.16	0.941	0.864	4.74	18.7	6.16	2.16	0.914	0.860	0.867	0.817	0.680	3.26	1974
1975	0.721	0.934	0.756	1.26	4.99	4.93	7.72	4.10	1.99	1.02	0.665	0.686	2.50	1975
1976	0.626	0.499	0.406	0.869	0.913	0.841	3.04	2.07	1.78	0.878	0.407	0.428	1.07	1976
1977	0.452	0.393	0.375	0.654	1.52	1.86	1.12	1.56	1.10	0.988	0.540	0.390	0.917	1977
1978	0.384	0.453	0.448	0.754	1.89	3.50	1.16	0.341	0.551	0.553	0.281	0.390	0.891	1978
1979	0.494	0.472	0.452	0.456	2.08	4.18	1.26	0.370	0.669	0.389	0.305	0.516	0.970	1979
1980	0.451	0.284	0.222	0.778	0.431	0.173	0.028	1.24	3.18	3.00	1.42	0.899	1.01	1980
1981	0.556	0.399	0.317	0.581	0.623	0.374	0.503	0.248	0.051	0.004	0	0	0.305	1981
1982	0	0	0	0.040	0.607	0.444	0.341	0.367	0.307	0.175	0.083	0.026	0.201	1982
MEAN	0.574	0.521	0.479	1.38	3.63	2.50	3.23	1.85	1.34	1.04	0.737	0.608	1.51	MEAN

LOCATION - LAT 54 42 47 N DRAINAGE AREA, 72 km²
LONG 111 00 15 W NATURAL FLOW

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	5.24 ON MAY 7	0.487 ON AUG 26	33 900	1969
1970	18.0 AT 23:55 MST ON JUL 9	17.5 ON JUL 12	0.708E ON JAN 1	105 000	1970
1971	12.7 AT 05:30 MST ON JUL 14	12.7 ON JUL 14	0.065 ON NOV 5	83 700	1971
1972	---	7.22 E ON APR 30	0.048 ON OCT 19	36 100	1972
1973	5.27 AT 11:30 MST ON JUN 23	5.21 ON JUN 23	0.167 ON JAN 13	57 700	1973
1974	22.1 AT 11:00 MST ON MAY 15 *	22.0 ON MAY 14 *	0.558 ON SEP 4	103 000	1974
1975	10.1 AT 20:30 MST ON JUL 3	9.77 ON JUL 6	0.580 ON NOV 22	78 800	1975
1976	4.33 AT 20:30 MST ON JUL 20	4.25 ON JUL 20	0.337 ON APR 1	33 800	1976
1977	2.81 AT 15:30 MST ON MAY 29	2.71 ON MAY 29	0.326 ON MAR 8	28 900	1977
1978	---	5.49 ON JUN 5	0.235A ON AUG 15	28 100	1978
1979	---	5.96 A ON JUN 17	0.162 ON NOV 21	30 500	1979
1980	---	4.22 A ON SEP 27	0.003E ON JUL 30	31 900	1980
1981	---	0.917A ON APR 27	0 B ON NOV 14 *	9 610	1981
1982	0.961 AT 18:42 MST ON MAY 26	0.894 ON MAY 24	0 B ON JAN 1	6 330	1982
MEAN				47 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.137	0.094	0.018	0.003	0	0	---	---	---	---	1967
1968	---	---	---	0.015	0.057	0.163	0.002	0.050	0.001	0.003	---	---	---	1968
1969	---	---	0	0.122	0.023	0.003	0.033	0	0.003	0.007	---	---	0.024	1969
1970	---	---	0.004	0.122	0.049	0	0	0	0	0	---	---	0.022	1970
1971	---	---	0	0.035	0.003	0.124	0.074	0.001	0.001	0.003	---	---	0.030	1971
1972	---	---	0.072	0.173	0.018	0.024	0.007	0.009	0.004	0.001	---	---	0.038	1972
1973	---	---	0.006	0.116	0.049	0.080	0.010	0.005	0.013	0.045	---	---	0.040	1973
1974	---	---	0.002	0.329	0.133	0.005	0.003	0.002	0.003	0.003	---	---	0.059	1974
1975	---	---	---	---	0.035	0.021	0.013	0.010	0.004	---	---	---	---	1975
1976	---	---	---	---	0.021	0.209	0.034	0.296	0.030	0.017	---	---	---	1976
1977	---	---	---	---	0.189	0.032	0.058	0.012	0.012	0.024	---	---	---	1977
1978	---	---	---	---	0.108	0.057	---	0.004	0.018	---	---	---	---	1978
1979	---	---	---	---	0.200	---	0.024	0.007	0.001	---	---	---	---	1979
1980	---	---	---	0.023	0.012	0.030	0.003	0	0	---	---	---	---	1980
1981	---	---	---	0.108	0.027	0.002	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.026	0.006	0.013	0.027	0.006	0.002	---	---	---	1982
MEAN	---	---	0.014	0.118	0.065	0.052	0.020	0.028	0.006	0.011	---	---	0.036	MEAN

LOCATION - LAT 54 55 17 N DRAINAGE AREA, 11.1 km²
LONG 117 48 32 W NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0 ON 5(: 0	99 900 000 ON 5(: 0	---	1966
1967	0.614 AT 19:00 MST ON APR 26	0.527 ON APR 28	0B ON APR 1 *	---	1967
1968	34.0 AT 14:50 MST ON JUN 12 *	2.36 ON JUN 12 *	0A ON MAR 22	---	1968
1969	22.9 A AT 04:15 MST ON JUL 18	0.954A ON JUL 18	0 ON MAR 1	500	1969
1970	0.479 AT 04:00 MST ON MAY 17	0.362 ON MAY 17	0B ON MAR 1	460	1970
1971	1.45 AT 09:30 MST ON JUL 12	0.719 ON JUL 12	0B ON MAR 1	632	1971
1972	0.773 AT 09:00 MST ON JUN 26	0.436 ON JUN 26	0B ON MAR 1	806	1972
1973	0.733 AT 22:00 MST ON JUN 10	0.552 ON JUN 11	0 ON AUG 11	846	1973
1974	1.26 B AT 23:00 MST ON APR 23	1.01 B ON APR 24	0 ON JUL 9	1 250	1974
1975	---	0.215B ON APR 18	0B ON APR 2	---	1975
1976	---	2.33 E ON AUG 17	---	---	1976
1977	---	0.623 ON MAY 14	---	---	1977
1978	---	0.402 ON APR 30	---	---	1978
1979	0.925E AT 12:15 MST ON JUN 16	0.860E ON JUN 16	0 ON APR 6	---	1979
1980	0.136 AT 12:57 MST ON JUN 6	0.133 ON JUN 6	0B ON APR 1	---	1980
1981	0.185 AT 22:52 MST ON APR 24	0.168B ON APR 25	0 ON MAY 31	---	1981
1982	0.344 AT 14:32 MST ON MAY 17	0.091 ON MAY 17	0B ON MAR 24	---	1982
				749	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

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POOR

QUALITY

ORIGINAL